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REPORT

OF THE

Superintendent of Public Instruction

OF

ARIZONA TERRITORY

FOR THE

BIENNIAL PERIOD ENDING
JUNE 30, 1904

N G LAYTON, Superintendent

1904
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PHOENIX, ARIZONA

Letter of Transmittal.

TERRITORY OF ARIZONA,

OFFICE OF THE SUPERINTENDENT OF PUBLIC INSTRUCTION,
PHOENIX, ARIZONA, OCTOBER 1ST, 1904.

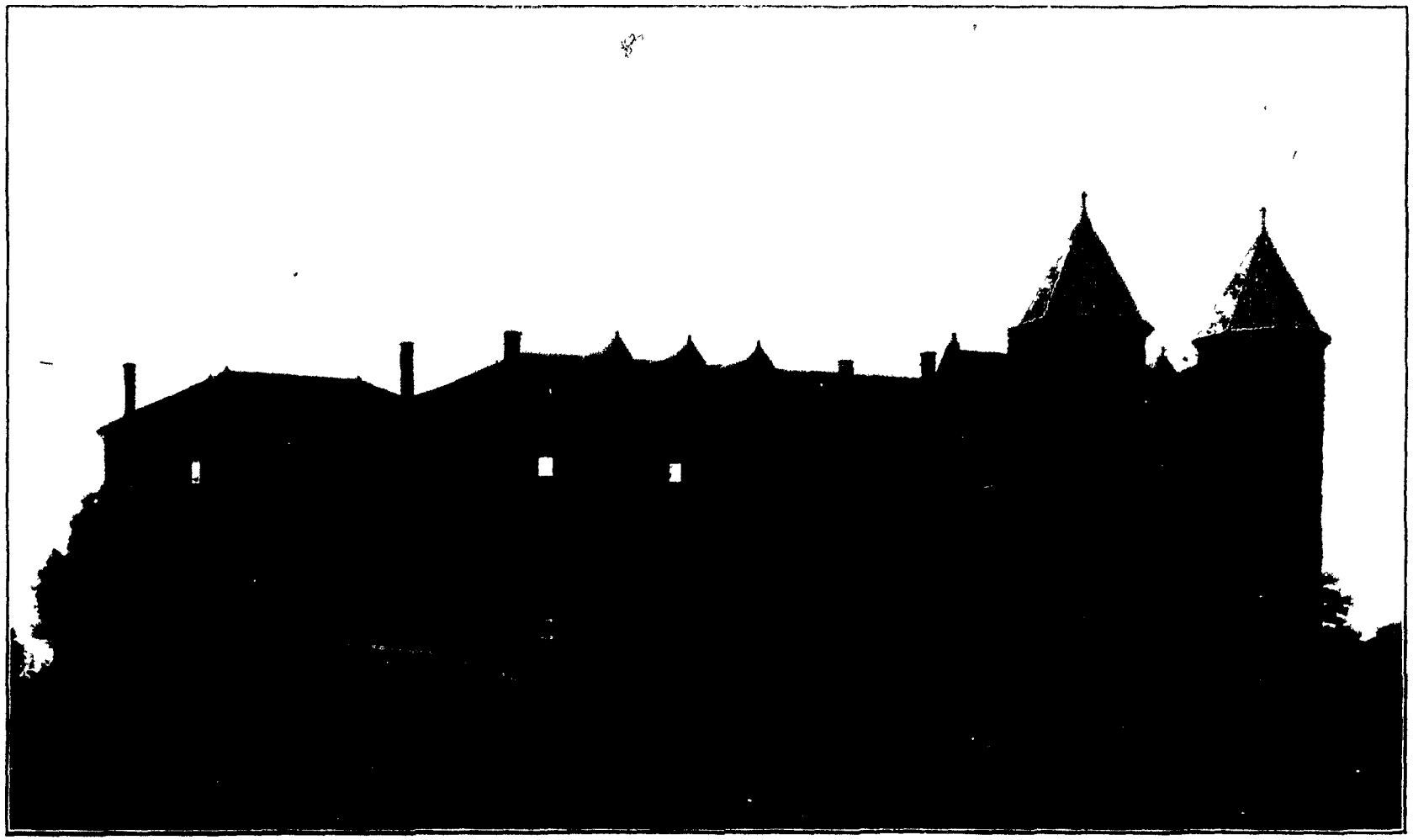
To His Excellency, Hon. Alexander O. Brodie,
Governor of Arizona.

SIR: In compliance with the Revised Statutes of Arizona Territory, I hereby submit for your consideration a statement of the condition of, and the progress made in the Public Schools of the Territory during the biennial period ending June 30, 1904, together with such suggestions as to legislation, leading to an improvement in our educational system, as seems to me expedient.

Respectfully submitted,

N. G. Layton

Superintendent of Public Instruction,
of Arizona Territory.



NORTHERN ARIZONA NORMAL SCHOOL -- FLAGSTAFF

REPORT.

Introductory.

During the biennial period covered by this report, the progress made along the lines of educational endeavor in the Territory has been eminently satisfactory. There has been a marked increase in the percentage of enrollment in the public schools, and the daily attendance has improved in the same ratio.

The amount of funds received and disbursed for school purposes greatly exceeded the receipts and expenditures for the previous period.

The advancement made is, to a large extent, due to the fact that school officers have, as a rule, employed trained and experienced teachers; the patrons have taken a keener interest in educational affairs, and the Boards of Supervisors of the several counties have been consistent in appropriating the necessary funds for maintaining the schools of their respective counties.

By a perusal of the following tables you will observe this progress, in detail, in the counties of the Territory during this period the school population, the enrollment, the daily attendance, receipts and disbursements of school moneys for school purposes, and other items of information that may be of interest to those having the educational welfare of the children of the Territory at heart

The amount received from Territorial taxes in 1904 was $32,438 75 as against $25,761.02 in 1903, and $22,951.05 in 1902.

From County taxes the sum of $216,589 03 was received, which was $4,869 25 less than in 1903

From School taxes the amount of $54,461.95 was realized as compared with $26,802.27 for the previous year.

The amount realized from sale of bonds, and in annual interest on bonded indebtedness, reached the sum of $65,870.87; an increase over the previous year of $40 647 09.

From licenses, fines and other sources the sum of $65,194.10 was received, as compared with $65,526.49 for the previous year.

Received from miscellaneous sources was $19,705.84, an increase over the previous year of $18,778.73

From special district taxes, $13,130.69.

Making a total, including balances on hand at the beginning of the year, of $555,859.42.

The disbursements for the year 1904, amounted to the sum of $414,140 27, including the payment of teachers' salaries, contingent expenses, school libraries, school apparatus, buildings and furniture, interest on bonded indebtedness and supervision, as against $414,140.27 in 1903.

The increase in the school population of the Territory during the year was 1,373; the increase in enrollment was 1,358; in average daily attendance 1,134.

The number of primary schools has increased from 333 to 351, the grammar school from 131 to 147.

One high school under special high school law, was organized during the year.

The number of school districts has increased from 276 to 287, an increase of 11.

During the last year twenty new school houses have been built, a gain of nine over the previous year.

Thirty-seven teachers have been added to the force during the year, at an increase in monthly salary of: For men $1.05, for women $1.78.

During the last year school was maintained in the several counties for an average of 123 days, as against 125 days the year before.

The number of volumes in the various school libraries has increased from 15,566 to 16,819, and the valuation of school property $783,735 to $882,790.

Summary of School Statistics.

SCHOOL CENSUS AND ATTENDANCE.

	1903	1904
Number of children between 6 and 21 years of age	25,951	27,324
Number of children between 8 and 14 years of age	13,311	14,461
Number of children enrolled in the public schools	20,008	21,366
Average daily attendance	12,105	13,239
Percentage of school population enrolled	77	78
Percentage of enrollment in daily attendance,	60	61

SCHOOLS.

Number of high schools under special law	2	3
Number of grammar schools	131	147
Number of primary schools	333	351
Number of kindergarten schools	1	1
Number of school districts	276	287
Number of new districts organized	19	23
Number of new school houses built	11	20

TEACHERS.

Number of men teachers employed.....	121	110
Number of women teachers employed	361	409
Number holding first grade certificates	103	198
Number holding second grade certificates	128	180
Number holding life diplomas.	21	24
Number holding educational diplomas	37	45
Number holding Arizona Normal diplomas .	43	72
Average salary paid men teachers	$80 00	$81.05
Average salary paid woman teachers	67 81	69.59

DIPLOMAS AND CERTIFICATES ISSUED.

Number of life diplomas issued during the year 1904	1
Number of educational diplomas issued .. .	8
Number of first grade certificates issued	138
Number of second grade certificates	106

MISCELLANEOUS.

Number of days school was maintained. . .	125	123
Number of volumes in school libraries .	15,566	16,819
Valuation of school property	$783,735	$882,790

Financial.

RECEIPTS.

	1903	1904
Balance on hand June 30, 1902, ...	$115,239.82	$88,468 19
Amount received from Territorial taxes	25,761.02	32,438.75
Amount received from County taxes..	221,458.28	216,589.03
Amount received from School taxes	27,659.68	54,461.95
Amount received from Licenses, Fines and other sources	65,526.49	65,194.10
Amount received from sale of Bonds, and in interest	25,223 78	65,870 87
Amount received from miscellaneous sources .	927 09	19,705.84
Total receipts.	$501,460.26	$555,859 42

DISBURSEMENTS.

Amount paid for Teachers' Salaries	$242,848.42	$256,713.66
Amount paid for Fuel, Repairs and Contingent expenses	70,575.06	73,054.76
Amount paid for School Libraries	433.41	477.03
Amount paid for School Apparatus	2,470.10	899 60
Amount paid for Buildings and Furniture	60,296.71	55,539.04
Amount paid in interest on Bonds	20,024.61	19,843 00
Amount paid for Supervision and Miscellaneous Purposes	17,491 96	32,301.21
Total disbursements	$414,140.27	$438,828.30

Territorial:	Salary of Supt. of Pub. Inst'n	$1,800.00	$1,800 00
	Salary of Board of Examiners	600.00	600.00
	Printing, postage and misc'l	858.53	568.00
County:	Salaries of County Supts. and Miscellaneous expenses	12,646.60	32,301 21
		$15,905.13	$35,301.21

THE DEAF AND DUMB AND THE BLIND.

California Institution at Berkeley, Cal	$2,025.00	$1,025.00
Utah Institution at Ogden, Utah	312 50	375 00
	$2,337.50	$1,400 00

SCHOOL CENSUS STATISTICS FOR SCHOOL YEAR ENDING JUNE 30, 1903.

Counties	Number of Children Between 6 and 21 Years of Age							Number Between 8 and 14 Years of Age	Number who Have Attended Public School at Any Time During the School Year	Number Who Have Attended Private School, but no Public School, During the School Year	Number Who Have Not Attended Any School During the School Year	Percentage of School Population Not Attending Any School
	White			Colored			Total Number Between 6 and 21 Years of Age					
	Number of Boys	Number of Girls	Total White	Number of Boys	Number of Girls	Total Colored						
Apache	513	406	919	.			919	472	746	29	144	15 66
Cochise	1,670	1,522	3,192	11	10	21	3,213	1,776	2,233	74	906	28.20
Coconino	402	358	760	1	5	6	766	423	540	73	153	20 00
Gila	441	438	879	4	3	7	886	475	683	46	157	17.22
Graham	2,322	2,117	4,439	10	4	14	4,453	2,256	2,821	284	1,348	30.24
Maricopa	2,450	2,350	4,800	12	20	32	4,832	2,525	3,601	263	968	20 03
Mohave	193	173	366	...	.	..	366	210	320	19	27	7.89
Navajo	488	448	936	4	...	4	940	504	799	5	136	14.46
Pima	1,711	1,908	3,619	9	7	16	3,635	1,720	1,494	347	1,794	49.35
Pinal	442	450	892	1	2	3	895	467	592	11	292	32 67
Santa Cruz	714	619	1,833	1	1	2	1,335	671	730	17	588	44.04
Yavapai	1 294	1,206	2,500	9	13	22	2,522	1,296	1,758	192	572	22 64
Yuma	576	611	1,187	1	1	2	1,189	516	708	20	461	38.77
Total	13,216	12,606	25,822	63	66	129	25,951	13,311	17,025	1,380	7,546	*26 20

*Average.

SCHOOL STATISTICS FOR SCHOOL YEAR ENDING JUNE 30, 1903.

Counties	Number of Schools.	Grade of Schools		Enrollment			Average Number Belonging	Average Daily Attendance	Per Cent of Attendance on Average Number Belonging	Number in Advanced Grade	Number in Grammar Grade	Number in Primary Grade	Total Number Enrolled	Number of Days School was in Session	Number of Teachers Employed	Number of Visits by Trustees	Number of Volumes in School Librarie
		Grammar	Primary	Number of Boys	Number of Girls	Total Enrollment											
Apache. .. .	22	8	14	456	364	820	581	532	91	.....	287	533	820	108	22	106	200
Cochise	48	10	38	1,318	1,308	2,626	1,664	1,464	88	36	585	2,005	2,626	147	48	66	3,489
Coconino	18	5	13	293	243	536	370	344	93	.. ..	212	324	536	150	18	56	669
Gila..... . ..	21	9	12	406	400	806	699	654	94	59	216	531	806	113	21	45	605
Graham	64	12	52	1,768	1,632	3,400	2,180	1,881	86	25	914	2,461	3,400	124	64	123	749
Maricopa.. .	94	23	71	2,131	2,083	4,214	3,030	2,766	91	1	1,278	2,935	4,214	140	94	244	5,317
Mohave . . .	12	7	5	149	142	291	214	194	90	.....	120	171	291	114	12	21	420
Navajo..... .	24	6	18	440	428	868	627	577	92	18	292	558	868	110	24	42	552
Pima.	41	8	33	1,097	904	2,001	1,295	1,200	93	.....	325	1,676	2,001	113	41	118	464
Pinal	19	6	13	323	307	630	423	388	92	4	149	477	630	124	19	58	224
Santa Cruz.	19	5	14	545	521	1,066	565	518	91	17	144	905	1,066	137	19	153	250
Yavapai.....	60	29	31	1,042	972	2,014	1,300	1,175	90	36	648	1,330	2,014	132	60	85	2,305
Yuma.....	22	3	19	349	387	736	462	412	89	4	198	534	736	115	22	14	322
Totals . ..	464	131	383	10,317	9,691	20,008	13,410	12,105	90 7	200	5,368	14,440	20,008	125 1	464	1,131	15,566

EXPENDITURES OF SCHOOL FUNDS FOR SCHOOL YEAR ENDING JUNE 30, 1903.

COUNTIES	Paid for Teachers' Salaries	Paid for Fuel, Repairs and Contingent Expenses	Paid for Libraries	Paid for Apparatus	Paid for Buildings and Furniture	Paid for Supervision and Miscellaneous Purposes	Total for Maintenance	Paid Interest on Bonds	Total Expenditures
Apache	$6,940 00	$1,350 18		$25 90	$215 30	$630 00	$9,161 38		$9,161 38
Cochise	27,152 75	13,610 80	$50 00	72 39	1,327 69	1,743 70	43 957 33		43,957 33
Coconino	12,949 22	5,226 15	100 00	24 00	9 99	2,756 17	21,065 53	$900 00	21,965 53
Gila	9,855 00	4,066 52	46 62		114 94	550 75	14,633 83	1,210 00	15,843 83
Graham	29,373 22	6,750 29		841 61	773 50	1,549 36	39,287 98	1,380 33	40,668 31
Maricopa	58,270 50	17,282 21	184 50	427 19	17,697 55	1,710 95	95,572 90	11,283 62	106,856 51
Mohave	5,626 25	1,199 43				1,364 00	8,189 68		8,189 68
Navajo	10,073 33	2,534 92		535 46	344 89	471 60	13,960 20		13,960 20
Pima	25,523 80	6,041 44		189 38	526 78	1,950 62	34,232 02		34,232 02
Pinal	8,107 99	2,149 62		55 64	112 21	500 50	10,925 96		10,925 96
Santa Cruz	9,271 39	3,400 23		23 95	231 80	440 00	13,367 37	980 00	14,347 37
Yavapai	30,106 67	4,523 85	22 94	122 00	38,234 33	2,095 10	75,104 89	2,550 00	77,654 89
Yuma	9,598 30	2,439 42	29 35	152 58	707 73	1,729 21	14,656 59	321 18	14,977 77
Totals	$242,848 42	$70,575 06	$433 41	$2,470 10	$60,296 71	$17,491 96	$394,115 66	$18,625 12	$412,740 78

RECEIPTS OF SCHOOL MONEYS FOR SCHOOL YEAR ENDING JUNE 30, 1903.—County Treasurer's Reports.

C'NTIES	Balance on Hand June 30, 1902	Received from Territorial Taxes	Received from County Taxes	Received from Poll Taxes	Received from Special District Taxes	Received from Licenses, Fines and Other Sources	Received from Misc'l'ns Sources	Received from Sale of Bonds and Interest Account	Total Receipts	Balance on Hand June 30, 1903
Apache	$1 533 85	$1,012 76	$6,508 65	$743 41		$356 70			$10,155 37	$993 99
Cochise	13 092 23	2,927 40	32,926 99	2,132 50	$685 38	17,304 40			69,068 90	25,111 57
C'c'nino	6,173 11	839 46	26,253 21	630 00	468 32	2,785 21	20 00		37,169 31	15,203 78
Gila	2,952 84	952 68	7,550 68	1,116 00	2,038 56	1 849 50		$1,970 49	18,430 75	2,586 92
Graham	9,612 27	4,494 12	24,949 95	6,670 00	1,143 21	3,875 50	536 29		51,281 34	10,613 03
M'ric'pa	28,685 32	4,976 58	46,371 65	2,832 50	12,091 85	10,287 92		10,355 00	115,600 82	8,744 31
Mohave	2,171 48	342 72	5,520 53	949 19	938 68	685 57			10,608 17	2,418 49
Navajo	3,560 00	969 00	9,255 99	2,190 82	1,232 40	1,131 35	74 14		18,413 70	4,453 50
Pima	2,061 72	3,422 10	20,757 37	3,334 63		6,814 25			36,390 07	2,158 05
Pinal	2,201 39	842 52	9,333 03	894 65		157 40			13,428 99	2,503 03
S Cruz	4,220 63	1,311 72	6,526 01	925 50		2,880 15	18 36	1,065 30	16,947 67	2,600 30
Yavapai	35,483 50	2,541 84	18,256 05	3,302 60		14,368 59	14 00	11,688 01	85,654 59	7,999 70
Yuma	3,491 48	1,128 12	7,248 17	1,937 88	1,065 70	3,029 95	264 30	144 98	18,310 58	3,332 81
Totals	$115,239 82	$25,761 02	$221,458 28	$27,659 68	$19,664 10	$65,526 49	$927 09	$25,223 78	$501,460 26	$88,719 48

SCHOOL CENSUS STATISTICS FOR SCHOOL YEAR ENDING JUNE 30, 1904.

Counties	Number of Children Between 6 and 21 Years of Age											
	White			Colored			Total Number Between 6 and 21 Years of Age	Number Between 8 and 14 Years of Age	Number Who Have Attended Public School at Any Time During the School Year	Number Who Have Attended Private School, but no Public School, During the School Year	Number Who Have Not Attended Any School During the School Year	Percentage of School Population Not Attending Any School
	Number of Boys	Number of Girls	Total White	Number of Boys	Number of Girls	Total Colored						
Apache	525	430	955	.....	..	.....	955	548	794	9	152	15.86
Cochise	2,144	2,030	4,174	14	31	45	4,219	2,179	2,904	202	1,113	26.35
Coconino	387	379	766	2	5	7	773	430	444	157	172	22.25
Gila	484	489	973	3	4	7	980	594	762	14	204	21.12
Graham	2,303	2,064	4,367	7	3	10	4,377	2,502	2,965	329	1,083	24 74
Maricopa	2,502	2,485	4,987	13	22	35	5,022	2,682	3,779	255	988	19 67
Mojave	180	147	327	1	6	7	334	107	280	45	9	2.00
Navajo	544	475	1,019	.....	.....	.....	1,019	528	845	14	160	15 70
Pima	1,785	1,762	3,547	15	13	28	3,575	1,739	1,716	416	1,443	40 33
Pinal	406	411	817	.....	.....	.....	817	450	609	16	192	16.03
Santa Cruz	749	762	1,511	1	..	1	1,512	820	940	3	569	37.63
Yavapai	1,306	1,261	2,567	13	13	26	2,593	1,347	1,836	204	553	21.32
Yuma	575	572	1,147	. .	1	1	1,148	540	750	14	384	31.70
Total	13,890	13,267	27,157	69	98	167	27,324	14,461	18,624	1,678	7,022	25.69

SCHOOL STATISTICS FOR SCHOOL YEAR ENDING JUNE 30, 1904.

Counties	Number of Schools	Grade of Schools		Enrollment			Average Number Belonging	Average Daily Attendance	Per Cent of Attendance on Average Number Belonging	Number in Advanced Grade	Number in Grammar Grade	Number in Primary Grade	Total Number Enrolled	Number of Months School was in Session	Number of Teachers Employed	Number of Visits by Trustees	Number of Volumes in School Librarie
		Grammar	Primary	Number of Boys	Number of Girls	Total Enrollment											
Apache	23	4	19	492	400	892	597	554	92	35	257	600	892	5	41	67	278
Cochise	60	16	44	1,623	1,629	3,252	1,901	1,754	92	30	738	2,484	3,252	6 9	60	128	2,564
Coconino	17	5	12	281	267	548	377	359	95	4	186	358	548	6	17	40	819
Gila	22	13	9	400	402	802	586	527	90	30	212	560	802	5	23	37	605
Graham	71	18	53	1,878	1,733	3,611	2,293	2,094	91	3	810	2,798	3,611	6 25	71	137	579
Maricopa	100	26	74	2,255	2,143	4,398	3,105	2,961	95	.	1,274	3,124	4,398	7	100	213	5,745
Mohave	12	8	4	153	133	286	224	202	90		118	168	286	7 7	12	21	173
Navajo	24	7	17	481	436	917	680	627	91	35	202	680	917	6.	41	55	786
Pima	41	8	33	1,079	907	1,986	1,332	1,236	90	1	381	1,604	1,986	6 5	43	87	760
Pinal	21	5	16	302	347	649	458	424	92		159	490	649	6.	21	65	220
Santa Cruz	21	2	19	527	460	987	630	580	92	25	20	942	987	6 2	21	40	500
Yavapai	63	32	31	1,041	989	2,030	1,362	1,255	92	76	671	1,283	2,030	6 4	63	111	2,983
Yuma	23	3	20	348	382	730	485	449	91	5	164	561	730	8 4	23	167	807
Totals	498	147	351	10,860	10,228	21,088	14,030	13,022	91.7	244	5,192	15,652	21,088	*6 4	536	1,168	16,819

*Average

DISBURSEMENT OF SCHOOL MONEYS FOR SCHOOL YEAR ENDING JUNE 30, 1904.

Counties	Paid for Teachers' Salaries	Paid for Fuel, Repairs, Contingent Expenses	Paid for School Libraries	Paid for School Apparatus	Paid for Building and Furniture	Paid for Supervision and Miscellaneous Purposes	Total for Maintenance, Buildings and Furniture	Paid in Interest on Bonded Indebtedness	Total Expenditures
Apache	$7,425 00	$1,495 31	.....	.....	$174 70	$490 00	$9,585 01	.....	$9,585 01
Cochise	36,396 88	8,247 34	.....	$240 60	22,464 61	1,828 17	69,177 60	.....	69,177 60
Coconino	11 666 28	4,886 29	$90 05	.....	1,120 06	1,704 00	19,466 68	$900 00	20,366 68
Gila	9,226 25	2,885 17	.....	.....	125 32	2,156 81	14,393 55	1,210 00	15,603 55
Graham	30,995 20	7,971 15	74 50	390 57	6,446 46	2,160 59	50,038 47	1,698 96	51,737 43
Maricopa	54,119 45	15,296 73	30 00	34 00	8,329 43	14,687 04	92,496 65	10,572 04	103,068 69
Mohave	9,541 00	1,470 66	.....	.....	.....	478 65	7,890 31	1,027 00	8,917 31
Navajo	10,263 75	2,783 09	.....	.....	262 50	705 64	14,014 98	525 00	14,539 98
Pima	24,960 00	8,403 05	60 25	159 05	8,286 24	1,681 00	43,549 59	.....	43,549 59
Pinal	7,876 09	2,414 71	.....	.....	226 70	610 54	11,128 04	.....	11,128 04
Santa Cruz	8 116 30	2,173 24	.....	7 35	393 55	647 50	11,337 94	960 00	12,297 94
Yavapai	37,712 53	12,361 37	143 09	22 00	7,367 12	4,560 00	62,166 11	2,590 00	65,096 11
Yuma	10,014 93	2,666 65	79 14	46 03	342 35	591 27	13,740 37	.....	13,740 37
Total	$256,713 66	$73,054 76	$477 03	$899 60	$55,539 04	$32,301 21	$418,985 30	$19,843 00	$438,828 30

RECEIPTS OF SCHOOL MONEYS FOR SCHOOL YEAR ENDING JUNE 30, 1904.—County Treasurer's Reports.

C'nties	Balance on on Hand June 30, 1903	Received from Territorial Taxes	Received from County Taxes	Received from School Taxes	Received from Special District Taxes	Received from Licenses, Fines and Other Sources	Received from Misc'll'n's Sources	Received from Sale of Bonds and in Interest	Total Receipts	Balance on Hand June 30, 1904
Apache	$1,530 96	$1,148 75	$8,377 34	$727 11	.....	$188 05	.....	.....	$11,972 21	$2,387 20
Cochise	24,317 40	4,016 25	10,766 97	12,179 75	$614 49	13,375 45	.....	$20,100 00	85,370 81	16,192 71
C'c'nino	15,185 78	957 50	17,085 02	2,890 00	.....	6,534 93	$10 00	2,095 19	44,758 42	24,391 74
Gila	2,952 84	1,107 50	8,449 91	940 00	.....	3,327 41	75 00	1,047 42	17,900 08	2,296 53
Graham	10,151 72	5,566 25	23,861 76	16,394 75	827 15	3,484 86	1,437 56	12,937 11	74,658 16	22,920 73
M'rcopa	10,618 11	6,040 00	54,059 61	5,194 88	11,605 12	10,726 40	10,776 69	9,385 00	118,405 81	15,337 12
Mohave	2,418 49	457 50	5,390 17	1,373 56	.....	1,861 65	838 07	.....	12,339 44	3,422 13
Navajo	5,128 80	1,175 00	13,945 87	2,268 03	.....	142 14	.....	1,270 84	23,930 68	9,390 70
Pima	3,753 00	4,543 75	18,151 61	1,542 25	.....	8,016 00	31 00	15,162 50	51,203 11	7,653 52
Pinal	465 96	1,118 75	8,780 15	1,947 87	.....	838 50	.....	.....	13,151 23	2,023 19
S. Cruz	2,131 25	1,668 75	6 685 38	452 50	.....	2,437 65	.....	830 81	14,206 34	1,908 40
Yavapai	8,306 41	3,152 50	31,385 13	7,901 25	.....	13,115 06	6,534 52	3,045 00	73,439 87	8,323 76
Yuma	1,507 47	1,486 25	9,650 11	650 00	83 93	1,146 00	.....	.....	14,523 76	783 39
Totals	$88,468 19	$32,438 75	$216,589 03	$54,461 95	$13,130 69	$65,194 10	19,705 84	$65,870 87	$555,859 42	117,031 12

HIGH SCHOOLS STATISTICS, 1904.

(ORGANIZED UNDER SPECIAL LAW)

Name of District	County	Number of Boys Enrolled	Number of Girls Enrolled	Total Number Enrolled	Average Number Belonging	Average Daily Attendance	Percentage of Attendance on Average Number Belonging	Number of Months School was Maintained	Number of Teachers Employed	Number of Volumes in Library
Union	Maricopa	86	125	211	171	166	97	9	7	950
Mesa	Maricopa	13	15	28	22	21	95	8	2	50
Prescott	Yavapai	17	22	39	33	31	94	10	2	...
	Totals	116	162	278	226	218	95 1	27	11	1000

FINANCIAL

Name of District	Amount Paid for Teachers' Salaries	Paid for Rents, Fuel and Contingent Expenses	Amount Paid for Libraries	Amount Paid for Apparatus and Furniture	Total Expenditure	Total Receipts	Paid for Additional Grounds	Net Balance
Union	$4,612 07	$1,801 67	..	...	$6,413 74	$10,133 50	$3,600 00	$155 76
Mesa	1,310 00	135 09	...	...	1,445 09	1,490 02	...	44 93
Prescott	1,260 00	571 46	.	$153 25	1,984 71	2,564 92	...	580 21

COST PER CAPITA—COMPARATIVE STATEMENT—SCHOOL YEARS 1903-1904.

Counties	School Population		Enrollment		Average Number Belonging		Average Number in Daily Attendance		*Percentage of Attendance on Average Number Belonging		*Cost Per Capita on School Population		*Cost Per Capita on Enrollment		*Cost Per Capita on Average Daily Attendance	
	1903	1904	1903	1904	1903	1904	1903	1904	1903	1904	1903	1904	1903	1904	1903	1904
Apache	919	955	820	892	581	597	532	553	91	92	$9.96	$10.02	$11.17	$10.74	$17.22	$17.34
Cochise	3,213	4,219	2,626	3,252	1,664	1,901	1,464	1,754	88	92	13.71	16.39	16.73	21 26	30 02	39 42
Coconino	766	773	536	548	370	378	344	359	93	95	27.50	25.19	39 30	35.22	61 23	54.22
Gila	886	980	806	802	699	585	654	527	94	90	16.64	14.68	18.15	16.70	22.22	27.27
Graham	4,453	4,377	3,400	3,611	2,180	2,293	1,881	2,094	86	91	8.82	11 43	11.55	13.86	20.88	23 89
Maricopa	4,832	5,022	4,214	*†4,637	†3,030	3,298	†2,766	3,148	91	95	19.78	18 41	22.68	19.69	34.55	29.38
Mohave	366	334	291	286	214	224	194	202	90	90	22.37	28 17	28 14	27.59	42.21	38.06
Navajo	940	1,019	868	917	627	680	577	627	92	91	14 85	14 10	16.08	15.62	24.19	22 92
Pima	3,635	3,575	2,001	1,986	1,295	1,332	1,200	1,236	93	90	9 41	12.18	17.10	21 82	28.52	35.17
Pinal	895	817	630	649	423	458	388	424	92	92	12 20	13 62	17.50	17.15	28.16	26 48
Santa Cruz	1,335	1,512	1,066	987	565	630	518	580	91	92	10 01	8.13	12 54	12.46	25 80	21 20
Yavapai	2,522	2,593	2,014	*†2,069	†1,300	1,401	†1,175	1,286	90	92	29.77	23.99	37.29	30.02	63 91	48 32
Yuma	1,189	1,148	736	730	462	485	412	449	89	91	12 32	11 97	19.90	18 52	35 57	30.62
Total	25,951	27,324	20,008	†21,366	†13,410	14,262	†12,105	13,239	90.77	91.8	$15 94	$15.64	$20.61	$20.62	$33 42	$31 87

*Average
†Including attendance at High Schools.

MISCELLANEOUS STATISTICS, 1903-1904.

Counties	Number of Teachers Employed				Average Monthly Salary of Teachers				Valuation of School Property		Number of New Districts Organized		Number of New School Houses Built	
	Men		Women		Men		Women							
	1903	1904	1903	1904	1903	1904	1903	1904	1903	1904	1903	1904	1903	1904
Apache	10	8	12	15	$66 75	$68 48	$50 41	$54 33	$12,480 92	$12,434 02	.	4		2
Cochise	14	10	34	50	86 35	94 50	72 35	74 88	50,627 55	83,881 00	1	2	.	3
Coconino	6	3	14	16	107 55	86 67	70 00	79 16	40,170 00	40,893 00	...	1	.	...
Gila	7	8	15	15	86 42	83 12	71 33	68 67	34,692 00	35,525 00	2	1	1	
Graham	18	20	46	51	68 75	72 58	67 06	72 57	63,514 00	71,427 00	1	2	1	4
Maricopa	21	18	83	90	80 75	83 10	65 51	70 21	278,780 00	297,875 00	2	2	1	1
Mojave	1	1	10	11	75 00	75 00	63 50	78 64	13,100 00	12,520 00	2		1	.
Navajo	9	12	15	13	72 50	75 70	60 00	56 42	17,859 20	22,218 00	.		1	2
Pima	7	8	38	38	77 86	79 91	69 21	70 00	101,112 00	116,352 00	1	3	....	1
Pinal	4	2	15	18	70 00	72 50	64 33	64 00	16,831 05	16,500 00	2	2	.	..
Santa Cruz	8	4	14	20	76 25	84 00	71 07	70 75	22,875 00	24,000 00	2	2	2	1
Yavapai	11	13	49	52	89 09	85 71	70 41	77 35	112,140 00	129,222 00	3	4	4	6*
Yuma	3	3	18	20	82 56	92 43	69 44	67 75	19,553 70	19,943 00	3	.	2	...
Totals	119	110	363	409	*$79 99	*$81 05	*$66 51	*$69 59	$783,735 42	$882,790 00	19	23	11	20

*Average

PROGRESSIVE SUMMARY, 1885 to 1904 INCLUSIVE.

Year	Total Receipts	Total Expenditur's	Total Number of Schools	Number of Days School was Maintained	Number of Census Children	Average Daily Attendance	Valuation of School Property
1885	$186,666 12	$138,164 83	137	120	10,219	3,226	$212,389
1886	159,956 14	135,030 39	150	140	...	3,507	201,984
1887	120,044 88	117,004 74	169	143	10,303	3,602	176,238
1888	157,707 03	130,212 14	184	124	...	3,849	222,219
1889	179,782 35	150,543 41	197	135	12,588	4,293	222,958
1890	201,288 70	177,483 83	219	126	12,976	4,702	268,435
1891	236,743 24	198,762 43	237	127	13,874	5 047	297,444
1892	247,201 69	207,897 62	251	124	14,710	5,198	320,609
1893	266,068 87	221,213 28	265	130	15,463	5,340	344,646
1894	205,610 63	176,671 02	289	124	16,203	6,791	405,446
1895	211,277 94	203,016 41	261	120	15,909	7,034	414,447
1896	219,116 10	214,450 88	293	126	16,936	7,641	428,935
1897	219,777 92	205,949 12	337	128	17,427	8,983	445,379
1898	250,278 63	224,185 90	347	130	18,802	9,011	472,107
1899	295,883 91	241,555 94	375	127	19,823	9,396	490,504
1900	421,776 15	345,314 29	398	125	20,833	10,177	529,024
1901	411,243 95	336,838 80	428	128	23,435	10,951	612,929
1902	530,648 64	401,235 59	442	125	25,259	11,514	654,942
1903	501,460 26	412,740 78	467	125	25,951	12,105	783,735
1904	555,859 42	438,828 30	498	130	27,324	13,022	882,790

BONDED INDEBTEDNESS, JUNE 30, 1904.

Counties	No of Dist	Name of District	Amount of Bonds	When Issued	When Due	Rate Int.
Cochise	13	Wilcox	$ 7,500	Aug 1900	Aug 1920	7
"	27	Douglas	20,100	April, 1903	April, 1923	5
Coconino	1	Flagstaff	15,000	Dec 1894	Dec 1914	6
Gila	1	Globe	7,000	Jan 1, 1898	Jan 1, 1918	7
"	1	"	12,000	Jan 1, 1900	Jan. 1, 1920.	6
Graham	1	Safford	5 500	Sept 1897	Sept. 1917	7
"	4	Thatcher	4,000	May, 1899	May, 1919	7
"	5	Solomonville	6,000	May, 1899	May, 1919	7
"	6	Pima	3,800	May, 1903	May, 1923	7
"	38	Hill	8,000	Dec 1903	Dec 1923	7
Maricopa	1	Phoenix	17,537	May, 1893	May, 1943.	5
"	1	"	30,000	April, 1893	April, 1913	6
"	1	"	20,000	Sept 1901	Sept 1921	5½
"	1	"	10,000	April, 1902	April, 1922	5½
"	3	Tempe	7,000	April, 1892	April, 1912	7
"	4	Mesa	6,000	April, 1892	April, 1912	7
"	4	"	7,000	May, 1899.	May, 1919	7
"	5	Isaacs	3,500	Aug 1894	Aug 1914	7
"	7	Wilson.	3,000	June, 1898	June, 1918	7
"	8	Osborn	5,000	Aug. 1892	Aug 1912	7
"	10	Lehi	2,000	Dec 1892	Dec 1912	7
"	11	Peoria	1,000	Sept 1892	Sept 1912	7
"	14	Arlington	4,500	June, 1895	June, 1915	7
"	16	Cartwright	3,000	Sept 1902	Sept 1923	7
"	19	Alma	3,000	Aug 1892	Aug 1912.	7
"	21	Murphy	2,000	July, 1897.	July, 1917	7
"	24	Gila Bend	1,500	April, 1893	April, 1913	7
"	27	Alhambra	2,000	Aug. 1892	Aug 1912	7
"	29	Johnson	1,200	Nov 1894	Nov 1914	7
"	33	Sydney	2 400	July, 1903	July, 1923	7
"	38	Madison	2,800	Aug. 1896	Aug. 1916	7
"	40	Glendale	6,000	May 1895	May, 1915	7
"	45	Fowler	3,500	Sept 1895	Sept 1915	7
"	54	Independence	1,500	Dec 1903	Dec 1923	6
"	.....	U High Sch'l	30,000	Aug 1897	Aug 1917	6
Mohave	4	Kingman	4,400			6
"	11	Chloride	1,000			7
Navajo	1	Winslow	7,500	Jan 1896	Jan 1911	7
Pima	1	Tucson	1,500	Jan 1904	Jan 1915	5
"	1	"	1,500	" "	Jan 1916	5
"	1	"	1,500	" "	Jan. 1917	5
"	1	"	1,500	" "	Jan 1918	5
"	1	"	1,500	" "	Jan. 1919	5
"	1	"	1,500	" "	Jan 1920	5
"	1	"	1,500	" "	Jan 1921	5
"	1	"	1,500	" "	Jan 1922	5
"	1	"	1,500	" "	Jan 1923	5
"	1	"	1,500	" "	Jan 1924	5
Yavapai	1	Prescott	5,000	Sept 1891	Sept 1906	6
"	1	"	5,000	" "	Sept. 1911	6
"	1	"	2,000	Jan 1902	Jan 1908	5
"	1	"	2,000	" "	Jan 1909	5
"	1	"	2,000	" "	Jan. 1910	5
"	1	"	2,000	" "	Jan 1911	5
"	1	"	2,000	" "	Jan 1912	5
"	1	"	2,000	" "	Jan 1913	5
"	1	"	3,000	" "	Jan. 1914	5
"	1	"	3,000	" "	Jan 1915.	5
"	1	"	3,000	" "	Jan 1916	5
"	1	"	3,000	" "	Jan 1917.	5
"	1	"	3,000	" "	Jan 1918	5
"	1	"	3,000	" "	Jan 1919	5
"	1	"	3,000	" "	Jan 1920	5
"	1	"	3,000	" "	Jan 1921	5
"	1	"	14,000	" "	Jan 1922	5
Yuma	1	Yuma	1,000	1892	1907	7
"	1		1,000	1892	1912	7
"	1	"	1,500	1895	1910	7
S'ta Cruz	1	Nogales	800	Oct 2, 1899	Oct 2, 1910.	6
" "	1	"	800	" " "	Oct 2, 1911	6
" "	1	"	800	" " "	Oct 2, 1912	6
" "	1	"	800	" " "	Oct 2, 1913	6
" "	1	"	800	" " "	Oct 2, 1914	6
" "	1	"	800	" " "	Oct 2, 1915	6
" "	1	"	800	" " "	Oct 2, 1916	6
" "	1	"	800	" " "	Oct 2, 1917	6
" "	1	"	800	" " "	Oct 2, 1918.	6
" "	1	"	800	" " "	Oct 2, 1919	6
			16,000	" " "	Oct 2, 1919	6
Total Indebtedness			$355,737	Average Rate		6

Statistics for School Year ending June 30, 1904.

By Districts.

APACHE COUNTY.

No. of District	Name of District	No. of Children between 6 and 21 years of age	No. of Grammar Schools	No. of Primary Sch'ls	Total No. of Schools	Total No. Enrolled	Average No. Belonging	Average Daily Attendance	*Percentage of Attendance on Average No. Belong'g	*No of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No of Volumes in School Library
1	St. Johns.	153	...	1	1	131	76	73	96	120	1	1	152
2	Springerville.	124	1	1	2	113	79	74	93	120	2	..	.
3	Eagar	103	1	1	2	98	59	55	93	120	2	4	100
4	Nutrioso.	24	....	1	1	35	18	16	93	110	1	2	.
5	Tule	32	.....	1	1	30	11	9	83	120	1	4	....
6	Concho	157	1	1	2	118	81	73	90	130	2	2	....
7	Alpine	38	...	1	1	29	18	16	88	60	1	7	....
8	Amity	19	.....	1	1	11	11	11	92	120	1	1	....
9	San Antonio	21	...	1	1	17	14	12	83	80	1	8	....
10	Navajo	19	.....	1	1	16	12	11	92	120	1	1	....
11	St. Johns	180	1	4	5	208	155	144	93	100	5	19	25
12	Greer	23	...	1	1	25	14	13	92	120	1	11	1
13	Malapais	12	..	1	1	13	12	11	98	80	1	3	.....
14	Richville	17	..	1	1	18	9	9	93	120	1	2	....
15	Adamano	12		1	1	12	10	10	97	110	1	..	.....
16	Hunt	21	..	1	1	18	16	14	90	100	1	2	....
	Totals	955	4	19	23	892	597	554	92	108.5	23	67	278

*Average.

COCHISE COUNTY.

No. of District	Name of District	No of Children between 6 and 21 years of age	No. of Grammar Schools	No. of Primary Sch'ls	Total No. of Schools	Total No. Enrolled	Average No. Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No. of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No. of Volumes in School Library
1	Tombstone	433	2	4	6	340	245	235	96	180	6	30	1,200
2	Bisbee	1,332	6	9	15	1,111	647	594	93	190	15	18	700
3	Hereford	38	.....	1	1	33	20	19	93	145	1	4	2
4	Huachuca	58	...	1	1	31	17	15	86	170	1	.....	....
5	Babacomari	25	.....	1	1	25	12	10	78	120	1	10	....
6	Fairbank	42	....	1	1	33	26	24	95	110	1	4	....
7	Contention	37	....	1	1	22	12	11	87	120	1	...	20
8	St. David	49	1	....	1	34	26	25	93	140	1	4	....
9	Benson	255	1	2	3	164	128	11	91	160	3	7	152
10	Tres Alamos	29	.....	1	1	15	10	9	95	120	1	1	..
11	Adams	25	...	1	1	14	12	11	93	120	1	4	..
12	Dragoon	11	....	1	1	12	7	6	93	120	1		....
13	Wilcox	152	1	1	2	112	67	58	86	180	2	...	400
14	Teviston	34	...	1	1	40	25	23	93	120	1	1	9
15	Dos Cabezas	36	.....	1	1	22	13	12	85	120	1	1	....
16	El Dorado	29	.....	1	1	31	26	24	94	120	1	3	
17	Wilgus	25	..	1	1	24	12	11	95	150	1	1	
18	San Simon	23	....	1	1	25	13	11	88	120	1		.

COCHISE COUNTY—Continued.

No of District	Name of District	No. of Children between 6 and 21 years of age	No. of Grammar Schools	No. of Primary Sch'ls	Total No. of Schools	Total No Enrolled	Average No Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No. of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No of Volumes in School Library
19	San Pedro	34		1	1	34	19	17	87	120	1	1	....
20	W Huachuca	21		1	1	18	14	14	98	150	1		.....
21	Marcus	84	1	1	2	86	54	52	96	160	2	4	..
22	Pearce	144	1	1	2	109	63	59	93	180	2		.....
23	Naco	125	1	1	2	139	46	41	88	170	2	2	81
24	Pools.	25		1	1	24	16	15	94	120	1	4	..
25	Turquoise	46		1	1	30	19	16	86	130	1		
26	Cochise	13		1	1	18	15	14	89	100	1	1	
27	Douglas	1,028	2	4	6	626	286	267	93	160	6	23	
28	Slaughter	20		1	1	17	14	12	92	160	1	1	
29	Blk. Diamond	55		1	1	41	25	18	87	100	1		
30	Silver Creek	21		1	1	22	11	10	96	140	1	3	
	Totals	4,219	16	44	60	3 252	1,901	1,754	92	139 8	60	128	2564

*Average

COCONINO COUNTY.

No. of District	Name of District	No of Children between 6 and 21 years of age	No of Grammar Schools	No of Primary Sch'ls	Total No of Schools	Total No Enrolled	Average No Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No of Volumes in School Library
1	Flagstaff	423	2	4	6	208	140	137	95	200	6	15	270
2	Williams	182	2	2	4	169	117	111	95	180	5	6	363
3	Bellemont	18		1	1	18	9	9	95	100	1		..
4	Frisco	..		1	1	10	8	7	93	20	1		
6	Fredonia	103	1	1	2	91	67	63	94	170	2	17	156
9	Greenlaw	....		1	1	10	10	10	95	40	1	2	..
10	Rhoades	38		1	1	33	18	17	94	150	1		
11	Lee's Ferry	9		1	1	9	8	8	96	105	1		30
	Totals	773	5	12	17	548	377	362	94 7	120 6	18	40	819

*Average.

GILA COUNTY.

No. of District	Name of District	No of Children between 6 and 21 years of age	No of Grammar Schools	No. of Primary Sch'ls	Total No. of Schools	Total No. Enrolled	Average No. Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No of Days School was Maintained	No of Teachers Employed	No. of Visits by School Trustees	No of Volumes in School Library
1	Globe..... ...	545	4	3	7	510	349	308	92	160	7	11	600
3	Grapewine . ..	44	.....	1	1	12	9	8	90	60	1	.....	... . ..
4	Catalpa	61	1	....	1	30	24	21	88	100	1	4	. ..
5	Pleasant V'ly	17	.....	1	1	10	9+	9	98	70	1	2	. ..
6	Stanton.... .	16	... .	1	1	13	10	8	88	120	1	. ..	.. . .
7	Cline .. .	28	1	..	1	19	14	13	91	100	1	2	.....
10	Green Valley .	40	1	...	1	38	31	30	97	120	1	.. ...	1
11	Strawberry	14	.....	1	1	9	8	7	88	100	1	. .	. .. ..
12	Pine.	50	1	.	1	47	34	33	97	120	1	3	. . .
13	Gisela	43	1		1	30	26	23	89	120	1	3	. ..
15	Reno	18	1		1	11	10	9	90	120	1	2	3
18	Rim Rock	16	1	.	1	21	16	15	92	100	1	1	.
20	Angora.. .. .	11	1		1	13	11	11	100	60	1		1
21	Myrtle..... .	15	1		1	11	10	9	89	80	1	6	.
22	Bl'ck Warrior	38	. .	1	1	13	11	10	90	120	1	3	.. .
23	San Carlos....	24	.. ..	1	1	15	13	11	85	40	1	.	.
	Totals.. ..	980	13	9	22	802	585	525	91+	99 4	22	37	605

*Average.

GRAHAM COUNTY.

No. of District	Name of District	No. of Children between 6 and 21 years of age	No of Grammar Schools	No of Primary Sch'ls	Total No of Schools	Total No Enrolled	Average No. Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No of Days School was Maintained	No of Teachers Employed	No. of Visits by School Trustees	No. Volumes in School Library
1	Safford.....	267	2	2	4	259	155	147	94	160	4	5	100
2	Duncan.....	52	1	...	1	61	43	42	96	100	1	1	1
3	Clifton	670	1	5	6	482	296	280	95	160	6	43	..... .
4	Thatcher..	444	2	4	6	327	241	224	91+	160	6	7	237
5	Solomonville.	222	1	2	3	159	91	78	88	140	3		... ...
6	Pima	246	2	3	5	182	143	132	92	140	5	5	50
7	Thomas.....	13	. ..	1	1	22	12	11	86	140	1	.	27
8	Graham	59	.	1	1	49	35	32	93	140	1	2	. ....
10	San Jose.... ...	95	1	1	2	93	68	58	89	120	2	4	...
11	Eden.	95	1	1	2	92	66	61	95	120	2	4	...
12	Central. ..	108	1	1	2	84	47	39	90	140	2	4	. . .
13	Aravaipa	49	.	1	1	31	16	15	93	100	1	. . .	... ...
14	Layton	102	1	1	2	131	80	74	94	140	2	.. .	83
15	Matthews .	19		1	1	18	13+	13	90	120	1	.	. . ...
16	Bonita. ...	29	.	1	1	23	12	10	84	100	1	5	. . . .
17	Bryce.. .	59	.....	1	1	55	42	33	77	140	1	2	. . . .
18	Morenci .	603	2	5	7	519	260	227	88	160	7	8	. . . . .
19	Metcalf .	413	1	1	2	250	180	175	97	120	2	1	..
20	Lone Star .	70	... ..	1	1	37	22	20	84	140	1	..	.
21	Carter.....	48	.. ...	1	1	49	36	32	90	140	1	2	.
22	Blue River	34	.....	1	1	37	31	30	94	120	1	2	. . .
23	Sanchez.	68	.....	1	1	46	26	20	80	100	1	2	1
24	Shiloh	24	.....	1	1	34	13	13	87	100	1	3	... .

GRAHAM COUNTY—Continued.

No. of District	Name of District	No of Children between 6 and 21 years of age	No of Grammar Schools	No. of Primary Sch'ls	Total No of Schools	Total No. Enrolled	Average No Belonging.	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No of Volumes in School Library
25	Geronimo ...	22	..	1	1	19	13	10	74	110	1	....	...
26	Hubbard	72	1	1	2	68	52	46	85	140	2	7	. .
27	Franklin. ..	37	. .	1	1	41	23	20	86	110	1	2	12
28	Coon	18		1	1	27	12	11	92	100	1	4	..
29	Lamb . . .	13		1	1	16	12+	12	97	120	1	.	2
30	Day	33	. .	1	1	44	25	23	91	120	1	.	
31	Emery . ..	30	.	1	1	25	13	11	90	120	1	2	1
32	York.. . ..	15	.	1	1	16	15	14	92	120	1	1	
33	Benton . ..	36	.	1	1	19	13	12	92	120	1	5	. .
34	Lee .. .	35	. .	1	1	41	26	23	84	125	1	.	
35	Dix	56	. ...	1	1	52	40	37	93	120	1	6	
36	Provo	15		1	1	21	18	17	95	120	1	3	. . .
37	Guthrie.. . . .	15		1	1	38	15	13	87	120	1	1	9
38	Hill.	140	1	1	2	103	62	55	90	100	2	.	. .....
39	Coronado. ...	19	.	1	1	16	12	11	91	100	1	5	. .....
40	Artesia	32	.	1	1	25	13	13	98	120	1	1	.. .. ..
	Totals.. ..	4,377	18	53	71	3,611	2,293	2,094	91+	124.7	71	137	579

*Average.

MARICOPA COUNTY.

No. of District	Name of District	No of Children between 6 and 21 years of age	No of Grammar Schools	No of Primary Sch'ls	Total No of Schools	Total No Enrolled	Average No Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No. of Days School was Maintained	No. of Teachers Employed	No of Visits by School Trustees	No of Volumes in School Library
1	Phoenix... .	1,964	10	19	29	2,024	1,374	1,337	97 3	180	36	20	5,150
2	Riverside....	43	.	1	1	17	11	10	96	130	1	2	.
3	Tempe .. .	490	3	4	7	427	270	253	94	180	7	10	363
4	Mesa .	452	4	5	9	405	314	307	96	160	9	7	250
5	Isaacs .	33	.	1	1	39	39	38	97	140	1	3	. .
6	Washington.	30	..	1	1	18	18	16	88	160	1	5	50
7	Wilson ..	84	1	1	2	68	47	43	91	150	2	4	82
8	Osborn . .	158	1	2	3	119	90	87	96	160	3	17	142
9	Wickenburg.	69	.	1	1	60	35	32	91	140	1	6	3
10	Lehi ...	77	1	2	3	83	70	67	94	140	3	20	63
11	Peoria..	24	..	1	1	17	11	10	91	140	1	7	
12	Agua Caliente	15	.	1	1	18	9	8	89	120	1	5	..
13	Rural	59	1	1	2	51	44	43	96	160	2	11	105
14	Creighton .	80		1	1	49	41	38	93	160	1	.	10
16	Cartwright	63	1	1	2	58	47	46	97	140	2	6	50
17	Calderwood.	42		1	1	36	28	26	92	140	1	...	
19	Alma .	244	2	2	4	177	154	148	96	160	4	. .	.. .
20	Double Butte.	43		1	1	23	20	18	90	120	1	6	50
21	Murphy. .	59	.. .	1	1	33	15	14	94	140	1	4	25
22	Agua Fria .	26	....	1	1	13	9	8	89	120	1	. .	29
23	Cave Creek	23	. ..	1	1	23	14	13	93	140	1	10	. .

MARICOPA COUNTY—Continued.

No of District	Name of District	No of Children between 6 and 21 years of age	No. of Grammar Schools	No of Primary Sch'ls	Total No. of Schools	Total No. Enrolled	Average No. Belonging	Average Daily Attendance	*Percentage of Attendance on Average No. Belong'g	*No. of Days School was Maintained	No of Teachers Employed	No. of Visits by School Trustees	No. Volumes in School Library
24	Gila Bend	51	.....	1	1	39	33	30	91	140	1	1	.....
25	E. Buckeye	46	....	1	1	40	25	23	92	140	1	5	.....
26	Jordan	34	.....	1	1	34	25	23	92	160	1	5	54
27	Alhambra	36	.....	1	1	32	18	16	91	140	1		.....
28	Kyrene	53	.....	1	1	46	33	30	91	140	1	.	.....
29	Johnson	45	.....	1	1	36	24	22	92	140	1	.	150
30	Grand Avenue	32	.....	1	1	29	24	23	95	140	1		.....
31	Balsz	27	.....	1	1	15	10	9	90	120	1	..	.....
33	Sydney	81	1	1	2	67	60	58	96	120	2	4	115
34	Jefferson	21	.....	1	1	*26	17	16	94	140	1	5	3
35	Hancock	24	.....	1	1	25	19	16	84	120	1	1	.....
36	Broadway	21	.....	1	1	17	12	10	85	120	1	5	.....
37	Jackson	35	....	1	1	24	18	15	82	140	1	1	.....
38	Madison	40	.	1	1	38	29	27	94	140	1	.....	13
39	Enterprise	12	..	.	.	.	...	.....	.	....	..		.....
40	Glendale	108	1	1	2	102	75	69	92	140	2	10	32
41	Highland	26	.....	1	1	18	11	9	81	150	1	1	....
45	Fowler	66	....	1	1	65	41	39	95	140	1	10	.....
46	McDowell	l'ps'd	.....	1	1	45	39	34	87	40	1	.....	.....
47	Power's Butte	35	....	1	1	22	12	9	75	120	1	1	.....
48	Scottsdale	24	....	1	1	17	15	13	92	160	1	2	.....
49	Palo Verde	55	.....	1	1	38	22	20	93	120	1	.....	6
50	Rohrig	44	.	1	1	28	20	19	95	120	1	1	.....
51	Cuba	l'ps'd	.	1	1	36	26	25	96	120	1	2	.....
53	Sentinel	l'ps'd	..	1	1	14	11	10	91	100	1	4	.....
54	Independence	25		1	1	26	22	21	95	120	1		.....
	Totals	5,022	26	74	100	4,398	3,105	2,901	95	140 2	100	218	5,745

*Average.

MOHAVE COUNTY.

No. of District	Name of District	No. of Children between 6 and 21 years of age	No. of Grammar Schools	No. of Primary Sch'ls	Total No. of Schools	Total No. Enrolled	Average No Belonging	Average Daily Attendance	*Percentage of Attendance on Average No. Belong'g	*No. of Days School was Maintained	No. of Teachers Employed	No. of Visits by School Trustees	No. of Volumes in School Library
1	Peach Springs	14	1	..	1	14	8+	8	94	80	1	1	1
2	Gold Road	13	..	1	1	14	12	10	80	100	1	2	..
3	Hackberry	27	1	..	1	20	20	18	90	100	1	1	2
4	Kingman	107	1	1	2	100	76	74	97	180	2	3	169
5	Whitney	10	.	1	1	5	3	2+	90	60	1	1	
6	Sandy	27	1	..	1	22	20	16	80	130	1	2	...
7	Signal	27	1	..	1	14	14	10	70	120	1	3	.....
8	Colorado	21	1	..	1	15	10	9	90	120	1	2	1
9	Beaver Dam	23	1	..	1	29	20	18	90	120	1	2	.. ...
11	Chloride	67	1	1	2	53	41	36	80	180	2	4	.....
	Totals	334	8	4	12	286	224	202	86+	119	11	20	173

*Average.

NAVAJO COUNTY.

No of District	Name of District	No of Children between 6 and 21 years of age	No of Grammar Schools	No. of Primary Sch'ls	Total No of Schools	Total No. Enrolled	Average No Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No of Volumes in School Library
1	Winslow.	262	2	2	4	235	161	153	96	160	4	19	300
2	St Joseph	74	1	1	2	55	47	44	95	100	2		55
3	Holbrook.	76	1		1	60	42	38	91	140	1	2	300
4	Woodruff	89		2	2	81	61	56	92	120	2	1	25
5	Snowflake ...	202	2	3	5	186	163	149	91	130	5	11	80
6	Taylor	102	1	1	2	89	56	52	92	120	2	10	17
7	Show Low ..	59	...	1	1	51	36	33	92	140	1	2	
8	Pinetop. . .	23	..	1	1	29	20	18	90	150	1	1	.
9	Pinedale	36		1	1	35	26	23	86	100	1	1	.
11	Linden . .	14		1	1	20	12	11	91	120	1	4	.
12	Woodland	22		1	1	14	11	10	91	140	1	3	..
13	Adair.	15	.	1	1	18	11	10	92	140	1		
14	Silver Creek. .	13	. .	1	1	13	10	9	89	135	1		
15	Shumway	32		1	1	31	24	21	89	100	1	1	9
	Totals	1,019	7	17	24	917	680	627	91	128 2	24	55	786

*Average

PIMA COUNTY.

No of District	Name of District	No. of Children between 6 and 21 years of age	No. of Grammar Schools	No of Primary Sch'ls	Total No. of Schools	Total No. Enrolled	Average No Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No of Volumes in School Library
1	Tucson	2,868	7	19	26	1,533	1,062	993	94	180	28	60	500
2	Arivaca	58		1	1	57	25	22	87	140	1	1	
3	Greaterville...	63		1	1	47	30	28	94	140	1	6	.
4	Rincon..	80	..	1	1	30	19	15	82	120	1	5	..
5	San Xavier....	141	1	1	2	85	52	48	91	150	2	4	242
6	San Pedro.....	..					. .		.	.	.....	.	.. .
7	Tanque Verde	...	.	.	.	..				..		. .	. .
8	Rillito.....	48		1	1	34	28	26	92	140	1	5	18
9	Lowell.. . . .	54		1	1	21	12	10	87	140	1		.
10	Amphitheater	33		1	1	24	14	13	89	160	1	. .	
11	Buenos Ayers	63	. .	1	1	14	12	11	98	105	1	2	.
12	Sahuarito . .	33	. .	1	1	17	12	11	90	140	1		
13	Rosemont	21	.	1	1	19	10	8	84	120	1		..
14	Helvetia . ..	57	.	1	1	36	24	22	92	105	1		.
15	Soporl ...	..... .	.		.			..		.			.
16	Liberty Mine.	.. .	.	1	1	23	7	6	97	60	1	2	.
17	La Guna. ..	56		1	1	27	13	11	84	160	1		. .
18	Davidson	.. .	.	.	..	. . .	.	.		.	.		. .
20	Vail . .	.		1	1	19	13	12	89	80	1	1	
	Totals. . .	3,575	8	33	41	1,986	1,333	1,236	90	129 3	43	86	760

*Average

PINAL COUNTY.

No. of District	Name of District	No. of Children between 6 and 21 years of age	No. of Grammar Schools	No of Primary Sch'ls	Total No of Schools	Total No. Enrolled	Average No. Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No. of Days School was Maintained	No. of Teachers Employed	No. of Visits by School Trustees	No. of Volumes in School Library
1	Florence	325	2	3	5	232	172	157	91	130	5	16	140
2	Oracle.....	38	.....	1	1	18	13	12	92	160	1	4	....
3	Troy.....	20	1	....	1	15	13+	13	97	100	1	1	....
4	Casa Grande.	94	1	....	1	73	48	46	95	140	1	3	30
5	Dudleyville . .	64	1	...	1	45	31	27	88	140	1	13	50
6	Kenilworth...	16	.....	1	1	13	10	10	100	120	1	2	.. ..
7	Gila River.....	24	. . ..	1	1	20	13	12	12	130	1	3	.....
8	Mammoth.....	90	...	3	3	97	66	62	92	100	3	6	.....
9	Rex..... .	31	.... .	1	1	21	18	15	83	100	1	1	... ..
10	Fuller.	26	.....	1	1	17	13	11	84	110	1	7	. ..
11	Rameriz.....	12	.....	1	1	26	17	16	93	120	1	2	... .
12	Vail.	27	. .	1	1	15	11	11	93	100	1	3	.
13	Pierson..... ...	.... . .	....	1	1	19	9	9	91	120	1	1	.
14	Aravaipa.. . ..	50	. .	1	1	29	15	14	90	120	1	3	. .
15	Durham.....	... .	.	1	1	9	9	9	100	15	1	....	. .. .
	Totals.....	817	5	16	21	649	458	424	92+	120	21	65	220

*Average.

SANTA CRUZ COUNTY.

No. of District	Name of District	No of Children between 6 and 21 years of age	No. of Grammar Schools	No of Primary Sch'ls	Total No of Schools	Total No. Enrolled	Average No Belonging	Average Daily Attendance	*Percentage of Attendance on Average No. Belong'g	*No. of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No of Volumes in School Library
1	Nogales	751	2	6	8	546	346	323	93	140	8	10	500
2	Santa Cruz ...	36	.	1	1	19	14	13	90	140	1	. .	.. .
3	Calabasas . ..	111	.	1	1	38	23	29	85	140	1	3	
4	Palo Barado.	41	.. ..	1	1	28	11+	11	92	100	1	1	.
5	Tubac	118	.....	1	1	67	50	47	93	140	1	1	
6	Patagonia. ...	69	.....	1	1	72	47	44	94	120	1	3	
7	Harshaw.....	86	.....	1	1	28	20	17	81	80	1	1	. .
8	Oro Blanco ...	122	... ..	1	1	21	13	12	95	140	1	6	...
9	Lochiel .. .	31	.....	1	1	31	25	21	86	120	1	2	. ..
10	Evan's Camp	28	.	1	1	31	15	13	86	140	1	2	. . ...
11	W Huachuca	15	. .	1	1	15	12	10	80	120	1	2	.. ...
12	Washington ...	48	.	1	1	59	29	27	94	140	1	1	.
13	Sopori	39	.	1	1	25	14	12	86	80	1	6	.
14	Crittenden	17	. ..	1	1	17	11	10	90	140	1	2	.
	Totals .	1,512	2	19	21	987	630	580	92	124.3	21	40	500

*Average

YAVAPAI COUNTY.

No of District	Name of District	No of Children between 6 and 21 years of age	No. of Grammar Schools	No of Primary Sch'ls	Total No of Schools	Total No. Enrolled	Average No. Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No of Days School was Maintained	No of Teachers Employed	No of Visits by School Trustees	No Volumes in School Library
1	Prescott	885	7	5	12	644	411	388	94	200	12	3	400
2	Williamson V	21		1	1	14	10	9	90	100	1	3	
3	Lower Verde	34	1		1	20	16	15	92	120	1		
4	Ora Belle	29	1		1	5	4	3	85	60	1	3	
5	Octave	91	1		1	59	30	26	81	180	1		
6	Cottonwood	22	1		1	14	10	8	95	130	1		
7	Walnut Grove	27	1		1	18	13+	13	95	120	1	3	130
8	Middle Verde	32	...	1	1	26	18	17	93	120	1	4	
9	Jerome	229	3	2	5	231	167	158	95	200	5	22	1,600
10	Craig	12		1	1	21	17	16	94	120	1	3	1
11	Miller Valley	34	1		1	35	24	21	88	120	1		
12	Poland	28		1	1	31	19	18	96	140	1	4	30
13	Skull Valley	18		1	1	16	16	8	50	120	1	2	25
14	Cherry Creek	35	1		1	26	22	19	87	120	1		
15	Columbia	...		1	1	14	9	8	96	140	1	1	30
16	Oak Creek	24		1	1	13	11	10	90	120	1	.....	.....
17	Congress	255	2	2	4	257	150	125	83	180	4	4	150
18	McCabe	63	1		1	41	27	22	85	150	1	....	79
19	Dewey	26		1	1	10	8	7	94	100	1	1	.....
20	Yeager	20	1		1	13	12	11	97	120	1	12	.....
21	Walker	37	1		1	43	23	20	87	125	1	3	28
23	Kirkland	23		1	1	22	14	13	94	180	1		....
24	Squaw Peak	39		1	1	24	18	16	91	120	1	4	
25	Martinez	25	1		1	14	12	11	98	140	1	2	...
26	Beaver Creek	30		1	1	16	12	11	92	100	1	2	.....
27	Red Rock	20		1	1	13	12	11	93	120	1	8	.....
28	Camp Verde	81	1	1	2	87	54	51	94	160	2	..	271
29	Peck's Lake	27	1		1	24	18	17	93	140	1	...	.....
30	Minnehaha	38	1		1	19	12+	12	97	105	1	2	.....
31	Ash Fork	46		1	1	27	21	20	96	140	1	1	109
32	Granite Mt	10		1	1	15	10	9	90	105	1	1	.....
33	Providence	18		1	1	27	13	12	95	120	1	1	...
34	Ash Creek	10		1	1	9	8	7	88	100	1	3	.....
35	Hillside	13		1	1	12	9	8	90	100	1		30
36	Jerome June	22	1		1	17	14	13	96	120	1	2	.....
37	Senator			1	1	13	7+	7	95	100	1	.....	.....
38	Lynx Creek	16		1	1	11	8+	8	95	120	1	6	.....
39	Groom Creek	28	1		1	20	15	14	93	120	1	1	.....
40	Seligman	41	1		1	23	19	17	89	140	1	.....	.....
42	Iron King	61	1		1	55	36	33	91	140	1	....	.....
43	Maver	44	1		1	28	16	14	87	140	1	6	.....
44	Willard	36		1	1	18	10	9	95	120	1	1	.....
45	Sultan	11		1	1	10	10	9+	99	100	1	1	.....
46	Del Rio	13	1		1	12	10	9+	96	130	1	1	.....
	Totals	2,593	32	31	63	2,069	1,362	1,255	90+	128 3	63	111	2,983

*Average

YUMA COUNTY.

No. of District	Name of District	No. of Children between 6 and 21 years of age	No of Grammar Schools	No. of Primary Sch'ls	Total No of Schools	Total No Enrolled	Average No Belonging	Average Daily Attendance	*Percentage of Attendance on Average No Belong'g	*No of Days School was Maintained	No. of Teachers Employed	No. of Visits by School Trustees	No. of Volumes in School Library
1	Yuma	683	2	4	6	333	201	194	93	160	6	4	500
2	Ehrenburg	15	.....	1	1	18	10	9	97	100	1	8	. .
3	Gregg	31	. . ..	1	1	34	25	23	92	120	1	5	.
4	Quartzville	19	.....	1	1	18	12	9	80	100	1	9	. . . .
5	Southwell	21	. . . .	1	1	18	16	13	86	80	1	2	. .
6	Palomas	40	....	1	1	28	21	18	88	140	1	2	.
7	Mohawk	17	... ..	1	1	17	12	10	87	120	1	112	19
8	Harrisburg	11	.... .	1	1	15	9	8	93	120	1	7	. . .
9	Fortuna	17	.....	1	1	19	13	12	95	120	1	3	.
10	Shady Side	20	.....	1	1	21	13	12	92	100	1	1	.....
11	Somerton	25	.... .	1	1	19	13	12	95	120	1	5	200
13	Crane	107	1	1	2	75	57	51	89	105	2	4	20
14	Sunny Side	36	.....	1	1	35	24	22	90	120	1	2	. . . .
15	Kofa	47	.....	1	1	42	30	29	96	100	1		.
16	Algadonas	28	.	1	1	17	11	10	85	140	1	1	68
17	Forest Glen	31	.	1	1	16	13	12	95	120	1	2	. . . .
18	Cibola	....	. .	1	1	5	5	5	98	60	1		. . .
	Totals	1,148	3	20	23	730	485	449	91	113 2	23	167	807

*Average

Arizona Educational Directory.

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W. J. Anderson, B. S . . .. .Art Department and Book-Keeping
Bessie Hutchinson, A. B. ... .Literature and Elocution
Cara M Finnie, A B . ...English, Rhetoric and Composition
Benj. H Scudder, Ph. M. .. .. History and Civics
John F. Hall, A. B . ... Latin and Geography
George M Frizzell. .. . .Algebra and Arithmetic
J L. Johnson . . ..Vocal Music
Eudora Mather. ... . Principal of Training School
Methods
Mary E. McNulty . . . . .Assistant in Training School
Winifred Peters . . .. Librarian and Stenographer
Mrs. T. A Jobs ....Matron, Girls' Dormitory
Geo W. Wilson .... Superintendent of Buildings
Harry Walker ....Superintendent of Grounds

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Cornelia Hartwell.....English, Physiology and Methods
Clara C. Fish.....Spanish and Latin
Bertha F. Huntsman.....Principal of Training School.
History of Education and Methods.
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Director of the School of Mines.
Robert Humphrey Forbes, M. S.....Director and Chemist of the Agricultural Experiment Station
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Botanist, Agricultural Experiment Station.
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Instructor in Photography and Bookkeeping.
O. A. Kates.....Assistant Professor of Physical Training.....and Director of Gymnasium and Athletics

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Mary Cummings Stanley, B. L .... Instructor in Latin and Philosophy
George Mark Evans, LL B., B S . ... . Instructor in Mathematics
John William Gorby, A. M ... ...
.. .. Instructor in English (Public Speaking) and Greek
Glen W Wilcox, B S. .. .. Instructor in Science
Estelle G. Luttrell, A M.... ... . Instructor in English
Librarian
William M. Ruthrauff, A. B . . .. Instructor in History and Economics
Cordelia M Stewart . . .., Preceptress of Young Women
In charge of North Hall
O. A. Kates .. . .Head of the South Hall
William W Skinner .. ..Manager of the Dining Hall

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COUNTY SCHOOL SUPERINTENDENTS.

Apache County.... .. ..John T. Hogue .... St Johns
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Mohave County . .. . .J. A Logan .. . . Kingman
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Pima County .... .William Angus ... .Tucson
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Santa Cruz County . ... .. .W. A O'Connor... ... . .Nogales
Yavapai County .. . . J B. Jolly .... .Prescott
Yuma County.. .. . . D L DeVane .. .. Yuma

Districts, District Clerks and Teachers.

APACHE COUNTY.

No. of Dist.	Name of District	District Clerk	Post Office	Name of Teacher	Monthly Salary
1	St. Johns	Benj. Schuster	St. Johns	Gracia Ferdandez	$85.00
2	Springerville	Gustav Becker	Springerville	J. N. Billyen	80.00
				Virgil E. Rudd	60.00
3	Eagar	J. O. Hull	Eagar	G M. Marsh	75.00
				Pearl Noble	40.00
4	Nutrioso	O. Wilkins	Nutrioso	Chas. R Gregg	62.50
5	Tule	N Chaves	St. Johns	Louie A. Freeman	60.00
6	Concho	A. Candelaria	Concho	Amelia H. Garcia	80.00
				Eva Heap	40.00
7	Alpine	G. O. Hamblin	Alpine	W. B. Catto	60.00
8	Amity	Paul Hoff	Springerville	Annie Sorenson	45.00
9	San Antonio	Desidero Smith	Concho	Clara Curtis	60.00
10	Navajo	H. M. Sikes	Navajo	Mary A. Roberts	65.00
11	St. Johns	Mrs. R. E. Berry	St Johns	F. A. Hinckley	85.00
				J. W. Brown	65.00
				W. D. Rencher	60 00
				Leila Kempe	40.00
				Lavenia Berry	40 00
12	Greer	E. W. Wiltback	Greer	W. S. Gibbons	60.00
13	Malapais	J. S. Gibbons	Concho	Naomi Freeman	45.00
14	Richville	J. S. Sherwood	Richville	Laverna Sherwood	45.00
15	Adamana	J. E. Smith	Adamana	A. May Sharp	60.00
16	Hunt	Mrs Ida Udall	Concho	Pauline Udall	50,00

COCHISE COUNTY.

No. of Dist.	Name of District	District Clerk	Post Offie	Name of Teacher	Monthly Salary
					$
1	Tombstone	J N. Gaines	Tombstone	H. E Berner	135 00
				C. Ruth Opdyke	80.00
				Nellie E. Carson	75.00
				Jennie Boutman	75.00
				Winifred Coombs	75 00
				De Esta Cook	75.00
2	Bisbee	I. W. Wallace	Bisbee	W. H. Kramer	150.00
				Minnie Evans	75.00
				R. Rachel Cox	75.00
				Ruby M Hatley	75.00
				Edith M. Stowe	75.00
				Florence Mesner	75 00
				Gertrude Bolton	75 00
				Mabel Hammersley	75 00
				Martha F. Hosmer	75 00
				Veronica J. White	75.00
				Inez Coffey	75 00
				Kathryne Reilly	75.00
				Mary E. Kelsey	80.00
				Dovie Patterson	80 00
				HermeniaWhitecotton	75.00
3	Hereford	F. B. Mason	Hereford	Lizzie M. Schorn	75.00
4	Huachuca	J M. Kelley	Reef	Olaf Halverson	75.00
5	Babacomari	C. M. Landers	Turner	Carrie Hiveley	65.00
6	Fairbank	Leon Larrien	Fairbank	Carrie M. Davis	80.00
7	Contention	H Armitage	Fairbank	Anna Hambaugh	70.00
8	Saint David	G S. Matterson	Saint David	E M. Johnson	80.00
9	Benson	Wm. Schillam	Benson	Ad H Gibson	90 00
				Mary E Dewey	70 00
				Ida W. Temple	70.00
10	Tres Alamos	A. Grijalba	Tres Alamos	Hattie A. Lusk	70.00
11	Adams	D. A. Adams	Dragoon	R H. Alexander	70.00

COCHISE COUNTY—Continued.

No. of Dist	Name of District	District Clerk.	Post Office	Name of Teacher	Monthly Salary
					$
12	Dragoon	A H Wien	Dragoon	Elma Hemphill	70 00
13	Willcox	H A Morgan	Willcox	Emelie Devall	80 00
				Helen F Gung'l	70 00
14	Teviston	F. J Mc Carthy	Bowie	Vanette Barrett	70 00
15	Dos Cabesos	Mrs. L. White	Dos Cabesos	Nora Heath	75 00
16	El Dorado	J I. Hudson	El Dorado	Madge Roberts	75.00
17	Wilgus	V. A. Young	Wilgus	Ella Kane Knott	65.00
18	San Simon	J. C Hancock	San Simon	Maud McDonald	70.00
19	San Pedro	L T. Coons	Saint David	Stella E Ayres	75 00
20	W. Huachuca	E R. Langford	Fairbank	Mrs A T. Gattrell	75.00
21	Marcus	P. A Lofgreen	Saint David	L C. Peterson	80 00
				E T Lofgreen	60 00
22	Pearce	A. Y Smith	Pearce	Alice H Davis	85.00
				Isabel Taliaferro	85 00
23	Naco	E A Folsom	Naco	Fannie Harley.	100 00
				Effie Mabry.	75 00
24	Pool	Manuel Soza	Pool	Jennie Berry	75.00
25	Turquoise	J W Dudley	Gleeson	Sidney Ridgway	80 00
26	Cochise	J J Rath	Cochise	Joy Jacobs	75 00
27	Douglas	Horace Kenyon.	Douglas	Thos H. Grindell	125.00
				Annie M Dyer	85.00
				Florence K Smith.	75 00
				Julia Reilly	75 00
				Bessie Gray	75 00
				Allie G. Sparks	75 00
28	Slaughter.	Robert Hiler	Douglas	Sadie Glasgow..	60 00
29	Blk Diamond	L. W Kennedy	Blk Diamond	Margaret M Graney	75 00
30	Silver Creek	W. H Taylor	Silver Creek	Ida Carroll	65.00

COCONINO COUNTY.

No. of Dist.	Name of District	District Clerk	Post Office	Name of Teacher	Monthly Salary
					$
1	Flagstaff	C. A. Keller	Flagstaff	Mrs. C E Austin	125 00
				Ida E Whittington	85 00
				Margaret H. Wallace	77 50
				Mina B. Jones	77 50
				Grace E Grim	77 50
				*Bertha F Huntsman	55 00
2	Williams	J. Salzman	Williams	C F. Philbrook	125 00
				Maud S Philbrook	25 00
				Vada Stringfield	75 00
				Alice McIntire	75 00
				Bertha C Beecher	75 00
3	Bellemont.	T. J Ross	Bellemont	Viola Freeland	60.00
4	Frisco	J J Thompson.	Cottonwood	Florence K Smith	60 00
6	Fredonia	S C Jensen	Fredonia.	E. B Dalley.	125 00
				Mae Rogers	85 00
9	Greenlow	C. A Greenlow	Flagstaff	Ida E. Whittington	75 00
10	Rhoades	W. J Collard.	Rhoades.	Mabel G Mattoon	60 00
11	Lees Ferry	J. S Emett	Lees Ferry	J W. Tonnies.	65 00
				W. C Jones	70 00

*Normal Training School

GILA COUNTY.

No. of Dist.	Name of District	District Clerk	Post Office	Name of Teacher	Monthly Salary
					$
1	Globe	H C Hitchcock	Globe	John T. Hefley	125.00
				Raymond H. Welch	70.00
				May C. Bandhour	70 00
				Clara Stover	70.00
				Mabel Arkills	70 00
				Nellie H Allen	70 00
				Eloise M. Oliver	70 00
				Isoline Coombs	70.00
3	Grapevine	Wm. A Thompson	Roosevelt	Henrietta Dawson	70 00
4	Catalpa	J. K. Chilton	Livingston	Norma M Clark	70 00
5	Pleasant V'ly.	G. W. Hazelwood	Young	Ada Powell	60 00
6	Stanton	David DeVore	Globe	Adaline Gung'l	70 00
7	Cline	M. C. Webb	Cline	Mary L Girard	70 00
10	Green Valley	W. H. Killigas	Payson	H Q Robertson	80 00
11	Strawberry	Frances Jones	Strawberry	Nina A Burns	65 00
12	Pine	J L. Patterson	Pine	A J. Mackay	100.00
13	Gisela	M Cavaness	Gisela	Gibson Stooksbury	75 00
15	Reno	Ed. Howell	Tonto	Dot Hord	65.00
18	Rim Rock	E. F. Pyle	Pine	Rose M. Reed	70 00
20	Angora	S. J. Holder	Angora	H. Q. Robertson	85 00
21	Myrtle	J. D. F. Beard	Myrtle	Gibson Stooksbury	70.00
22	Blk. Warrior	John Way	Black Warrior	Daisy Oldfield	70 00
23	San Carlos	R. H. Ross	San Carlos	V. W. Knowles	50 00

GRAHAM COUNTY.

No. of Dist.	Name of District	District Clerk	Post Office	Name of Teacher	Monthly Salary
1	Safford	E. T. Ijams	Safford	Elizabeth Caruthers	$80 00
				Annie M. Hord	65.00
				Katherine Rudd	65 00
				Emma Fausett	70 00
2	Duncan	B. F. Billingsley	Duncan	Sarah Carlton	100 00
3	Clifton	J. R. Hampton	Clifton	O. O. Colebank	100 00
				Leila S. Capt	75 00
				Alice B Windes	90 00
				Anna M. Fleming	90.00
				Rose Hottinger	90 00
				Kathryn Deck	75 00
4	Thatcher	J. A. Woods	Thatcher	D. C. Jones	75 00
				J. N. Heywood	65.00
				H. B Gardner	65 00
				Pearl Udall	60 00
				Maud P. Callison	60 00
				Nettie J Phillips	60 00
5	Solomonville	Fred Dysart	Solomonville	A. G. McAllister	95 00
				Bessie L Rice	65 00
				Alice Bishop	60 00
6	Pima	D. H. Welch	Pima	Maud E Douglas	75.00
				Charlotte Kempe	60 00
				Ida Listerbarger	55 00
				Edith Stewart	55.00
				Maybelle Douglas	55 00
7	Thomas	Geo. W Healy	Ft Thomas	Grace Adcock	65 00
8	Graham	Geo Skinner	Safford	Muriel Watkins	80 00
10	San Jose	W L. Nelson	Solomonville	C. B Link	75 00
				Florence Utter	50.00
11	Eden	Wm. Stapley	Eden	Kate C. Carson	75.00
				May Crozier	50.00
12	Central	S P Jenkins	Central	Spence C Heywood	65 00
				Hattie Bilby	50 00
13	Aravaipa	W. L. Wooton	Aravaipa	Marie Tustin	60.00
14	Layton	Wm. M. Claydon	Safford	J. B. Pace	75 00
				Sarah Cheney	60.00

GRAHAM COUNTY—Continued.

No of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
15	Matthews	Geo W. Matthews	Matthews	Emma Garrett	58 00
16	Bonita	M L Woods	Bonita	J. H Girard	80.00
17	Bryce	G. A. Bryce	Bryce	Laura L Stiles	70.00
18	Morenci	Geo. M. Robinson	Morenci	A. R. Lynch	100.00
				Lucy H. Purdum	75.00
				Olive Walton	75 00
				Maud Clark	75.00
				Florence L Clark	75.00
				Nellie Work	75 00
				Kathryn Bullard	75 00
19	Metcalf	Theo Shirley	Metcalf	Sophie B Shirley	80 00
				Etta B Snedecor	80 00
20	Lone Star	G. V Cavaness	Safford	Georgia Holmesly	70.00
21	Carter	Lehi Larson	Matthews	Agnes McGlaughlin	70.00
22	Blue River	C. B Martin	Blue	W. F Thrall	75.00
23	Sanchez	A. Sanchez	Solomonville	O S. Bulestoyle	60 00
24	Shiloh	D. O. Thurlo	Ft. Thomas	D D Collins	81 55
25	Geronimo	M Leon	Geronimo	Minnie Henderson	60 00
26	Hubbard	Fred Hubbard	Hubbard	U I Paxton	75,00
				Cordelia W Rhoades	50 00
27	Franklin	Geo H. Gale	Duncan	Eliza Robinson	80 00
28	Coon	Jas Martin	Eden	D. D Collins	65.00
29	Lamb	A. N. Lewis	Pima	V B Callison	65.00
30	Day	H. C. Day	Duncan	Helen L. Fisher	75.00
31	Emery	J. H Hinton	Ft Thomas	Harriet Douglas	65.00
32	York	G. W. Caywood	Duncan	Addean Nicks	65 00
33	Benton	M. Balke	Benton	Mary E. Bunker	75 00
34	Lee	Thos. Alger	Safford	F. M Owen	60.00
35	Dix	Jas. Hayes	Clifton	J. E Williams	75 00
36	Provo	J O. Thorpe	Thatcher	J. N Heywood	50 00
37	Guthrie	J C Day	Guthrie	Mary A. Fairman	70.00
38	Hill	Jessie Yokum	Clifton	Alice Williams	80.00
				Minnie Bilby	80.00
39	Coronado	R. L Hersell	Duncan	Gussie Rogers	60.00
40	Artesia	Waldo Beam	Safford	Jas Wakefield	50 00

MARICOPA COUNTY.

No. of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Phoenix	Ancil Martin	Phoenix	J. Cole	108 33
				Nelly J. Newby	75 00
				Caroline B. Potter	83.33
				Ella Hauxhurst	78.33
				Mabel Phelps	78.33
				Flora Kohn	78.33
				Flora Mills	73.33
				Marie La Chance	73.33
				Bessie Sharkey	73.33
				Lina K. Sheldon	75.00
				Zella Dysart	73.33
				Ada Kelley	75.00
				Elinore Merriam	73.33
				Anna M. Perley	75.00
				Mattie Reed	73.33
				Nellie M. Taylor	73.33
				Ida A. Warren	73 33
				Marguerite Williams	73 33
				J. L Gilkerson	75.00
				Leona M. Adams	65.00
				Eva L Bowyer	65.00
				Laura O Dobbs	70 00
				Martha Garnett	60 00
				Mabel Hancock	65.00
				Pearl A. Rigdon	65.00
				Kate Christy	65.00
				Madge P. Richmond	73.33

MARICOPA COUNTY—Continued.

No. of Dist.	Name of District	District Clerk	Post Office	Name of Teacher	Monthly Salary
					$
				Florence Ford	65 00
				Julia B. Monnette	65.00
				Florence McKee	65.00
				Catherine M Reed	65 00
				Helen M Eddy	70.00
2	Riverside		Phoenix	Margaret E. Palmer	65.00
3	Tempe	Dr. B. B. Moeur	Tempe	P. C. Cullen	110.00
				Mary E McNeil	70.00
				Leona M. Haulot	65 00
				Lena Hatsfield	65.00
				Bertha Wilson	65.00
				Mary Wingar	72 50
				Eudora Mather	60.00
4	Mesa	Geo. A. McDonald	Mesa	J. D. Loper	62.50
				Mrs. Emma Wilcox	70 00
				Mrs. F. M. Thompson	70 00
				Abbie McKenzie	65.00
				Serretta Sirrine	65.00
				Lucy M Schwarz	65.00
				Elizabeth Wingar	65.00
				Mrs Agnes D Loper	65.00
5	Isaacs	Oliver Isaacs	Phoenix	Junia Todd	60.00
6	Washington	Chas. Smithline	Glendale	Hattie M Greene	60 00
7	Wilson	W. E. Barry	Phoenix	Belle Moore	60.00
				Mamie G. King	50 00
8	Osborn	C. B. Wood	Phoenix	Alice M. Resor	75.00
				Alice A. Morse	60.00
				Bessie Hedgepeth	55.00
9	Wickenburg	J. W. Etter	Wickenburg	Caroline Burson	70.00
10	Lehi	Benj. Noble	Lehi	D. E Godwin	80.00
				Leona Gibson	60.00
				Bessie Schwarz	60.00
11	Peoria	Mrs. L. M. Walters	Peoria	Mrs. Plinette Allen	60 00
12	Agua Caliente	H. R. Wills	Agua Caliente	Mary C. Snyder	60.00
13	Rural	J. H. Haigler	Tempe	Anna Decker	60.00
				Alice Curnow	60.00
14	Creighton	M. A. Stanford	Phoenix	L. B. Bowher	80 00
16	Cartwright	Chas. T. Root	Phoenix	J. A. Riggins	70 00
				Lina M. Smith	65.00
17	Calderwood	H. M. Wilburn	Phoenix	Daisy Narron	60.00
19	Alma	Chas O. Pew	Mesa	D. Dudley Jones	95.00
				Fannie Coltrin	65.00
				Carrie Montfort	65.00
				Orpha Babbitt	65.00
20	Double Butte	J. P. Jensen	Tempe	Mrs. Ann McComas	60.00
21	Murphy	J. H. Bustrine	Phoenix	Ada Rebstock	60.00
22	Agua Fria	E. K. Buker	Phoenix	Elizabeth Roberts	60 00
23	Cave Creek	E. P. McCormick	Cave Creek	Mrs K. K. Lake	65 00
24	Gila Bend	W. H. Blockwell	Gila Bend	Geo W. Lewis	75 00
25	East Buckeye	Fred Walls	Buckeye	Jennie C Stockwell	60 00
26	Jordan	F. T. Powers	Tempe	W. G. Alexander	65.00
27	Alhambra	R. R. Stroud	Alhambra	Mrs W G. Percy	65.00
28	Kyrene	P. Alphi	Tempe	Ida M. Johnson	60 00
29	Johnson	B. F. Johnson	Tempe	Jessie C. Grosenbaugh	55.00
30	Grand Ave	Chas. Arney	Phoenix	Jennie Smith	70.00
31	Balz	W. A. Wharton	Phoenix	Belle McDonald	60 00
33	Sydney	C. H. Barkley	Buckeye	Homer Davis	65.00
				Mrs C. M. Zander	60 00
34	Jefferson	J. B. Rooch	Alhambra	Jessie Forsyth	50.00
35	Hancock	A. R. Jenkins	Phoenix	Alice Tuckey	60.00
36	Broadway	P. Marmonier	Phoenix	W. S. Wilson	60.00
37	Jackson	D. B. Harrer	Phoenix	L. C. Hedgepeth	65.00
38	Madison	R. L. O'Dell	Phoenix	R O. Duncan	75.00
40	Glendale	V. E. Messinger	Glendale	E C. Bunch	85.00
				Lois A. Lockwood	65 00
41	Highland	Frank Barkley	Mesa	Garnett A. Allison	50.00
45	Fowler	Henry Hilbers	Phoenix	Mrs Ida W Swiggett	80.00
46	McDowell			J. G. Duncan	70.00
47	Powers Butte	M. E. Clanton	Arlington	Lillian White	65.00
48	Scottsdale	Geo. Blount	Scottsdale	Mrs Alza K Blount	50 00
49	Palo Verde	L. G. Kenoworthy	Buckeye	Abbie F. White	60.00
50	Rohrig	H. Scholshusen	Tempe	Bessie Archibald	60 00
51	Cuba			W. H. Williams	65 00
53	Sentinel			Alma Wupperman	60 00
54	Independence	Lin B. Orme	Phoenix	Mary L. Larkin	65 00

MOHAVE COUNTY.

No. of Dist.	Name of District	District Clerk	Post Office	Name of Teacher	Monthly Salary
					$
1	Peach Springs	Chas. Bly	Peach Springs	Mary E Funston	
2	Goldrood	W. H. Welch	Acma	Tina Anderson	
3	Hackberry	W L. Kayser	Hackberry.	Carrie Ware	
4	Kingman	Chas Metcalf	Kingman	S. H. Finley	
				Mary B Eggers	
5	Whitney		Hackberry.	A. G Barwise	
6	Sandy	Telly Bly	Owens	Fay Lewis.	
7	Signal	W. D. McCreight	Signal	May Kirkpatrick	
8	Colorado	Mrs E F. Roberts	Needles, Cal...	N E Frankenberg	
9	Beaver Dam	Samuel Reber	Littlefield	J. F. Wilkinson	
10	Mackson		Kanob, Utah.		
11	Chloride	P. A Parisia	Chloride	L V Sughrue	
				Ella A Flagg	

NAVAJO COUNTY.

No. of Dist.	Name of District	District Clerk	Post Office	Name of Teacher	Monthly Salary
					$
1	Winslow	R C. Creswell	Winslow	Myron Young	100.00
				Sarah E Ausemus	80 00
				Mary A Klingensmith	70.00
				Leona McCann	70.00
2	St. Joseph	J. H. Richards	St Joseph	R. E. Porter	55 00
				Julia Tanner	48.50
3	Holbrook	A F. McAllister	Holbrook	M A Crouse	90.00
				D. T McClelland.	90.00
4	Woodruff..	Jos C Fish	Woodruff.	O. P Greer	65 00
				Hattie Webb	50 00
5	Snowflake.....	J. H. Frost	Snowflake	Geo H Crosby	100 00
				J. F Hoyt	85.00
				Margaret Smith	60.00
				Margaret Miller	45.00
				Caroline Smith	45.00
6	Taylor	Hilda S Lewis	Taylor	J W Stewart	89.00
				M R Tanner.	53 33
7	Show Low....	Frank Ellsworth	Show Low	Anna Price..	65.00
8	Pine Top	Albert Penrod	Pinetop	Minnie H Brown	60.00
9	Pinedale	S. A. Owens.	Pinedale	Amanda Rogers	50 00
11	Linden	Mrs C O Reidhead.	Adair	Elizabeth McNally.	60 00
12	Woodland	Mrs Loretta Hansen.	Pinetop	Jos S Fish	60.00
13	Adair	Daniel Mills	Adair	Constance Decker.	65 00
14	Silver Creek..	S E Santestevan	Taylor	W. A. Fowler.	65 00
15	Shumway	F. P. Deerham	Shumway	W A Shumway	65 00

PIMA COUNTY.

No. of Dist.	Name of District	District Clerk	Post Office	Name of Teacher	Monthly Salary
					$
1	Tucson.	S. H. Drachman	Tucson	F. M. Walker	150.00
				Anne E. Rogers	70 00
				Frances E. Goodin	70.00
				Ida C. Reed.	70.00
				Phoebe Lowrie	70.00
				Dora T. Israel	70.00
				Mattie Heermans	70 00
				Myra Drachman.	70 00
				Mary F. Hall	70 00
				Lurena Merriman.	70 00
				Clara Ferrin	70.00
				Elizabeth Parrott	80 00
				Ida C. Flood	70.00
				Grace L. Glidden	70 00
				Lizzie Borton	80 00
				Anna L Wood	70.00
				Veronica Power	70.00
				Mary E. Leverick	70 00
				Adeline H. Stollard.	70 00
				Ruth Brown	70 00
				Mrs. R. C. Brown	70 00
				Leila A. Akers	70.00
				Mrs E. Banister	70.00
				Cora Griffith	70 00
				Mabel E Early.	70 00
				Edith C. Cowan.	70 00
				Mamie A Shibell	70.00
				Maud North	70.00
				Bessie Smith	70 00
				Mrs. T. J. Warren.	70 00
2	Arivaca	A. L. Farrell.	Arivaca	Katherine Gross	70 00
3	Greaterville	John P. Coyne	Greaterville	W. G. Gilmore.	77.14
4	Rincon	E. S. Mendez	Tucson.	Dolores Moss	65 00
5	San Xavier	J. M. Berger	Tucson	Katherine Hogan	85 00
				Fannie Hogan	70 00
8	Rillito	F. S Romero	Tucson	Chas H. Tully.	57.14
9	Lowell	R. D. Cole	Tucson.	Myrtle E. Riecker	65 00
10	Amphitheatre	E. L. Wetmore	Tucson.	Mary Hoghston	50.00
11	Buenos Ayres	T. E Aros.	La Osa	Richard D. Lusk	70 00
				Jas Cowan	70 00
12	Sahuarito	S. E. Brown.	Tucson	G. H. Poorman	70 00
13	Rosemont.	W. S. George	Rosemont.	F. S. Hafford	75 00
14	Helvetia	J B. Anderson	Helvetia.	J A. Firth	70 00
16	Liberty			Clara Reynolds	65.00
17	La Guna.	J H. Holderman	Tucson	Jessie Heermans	65 00
20	Vail			Blanch Decker	65.00

PINAL COUNTY.

No. of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
1	Florence	M. M. Hickey	Florence	A. J. O'Connor	$80 00
				Sue H. Summers	65.00
				Elizabeth Cosner	65.00
				Marie Sweeney	65.00
				Lelia Hicks.	65.00
2	Oracle	Mrs. A. W. Neil	Oracle.	Mildred Chase	60.00
3	Troy	John Kavanaugh	Troy.	Esther L. Jewell	75 00
4	Casa Grande	A. H. Elliott.	Casa Grande.	Lillian Reid	67.85
5	Dudleyville	Geo. Scott	Dudleyville	Mattie Wilson	65.00
6	Kenilworth	Fred. Carpenter	Florence	Ella G. Clark.	60 00
7	Gila River	L. E. Graham	Florence	Mrs. A. J. O'Connor	65 00
8	Mammoth	Agust Kegel.	Mammoth.	Geo. W. Allen	65.00
				Rebecca S. Suhr	65 00
				Meda Hinckley	65.00
9	Rex	P. Winkelman	Dudleyville	Marguerite Collins	60 00
10	Fuller	W. C. Fuller	Florence	Louise White	60 00
11	Rameriz	M. S. Rameriz.	Casa Grande.	Annie Eckford	60 00
12	Vail	H. Higgins	Mammoth	Marguerite Collins	65.00
13	Pierson			Lola V. LeBaron	60.00
14	Aravaipa	Geo. F. Cook	Mammoth	Frankey Blackman	65.00

SANTA CRUZ COUNTY.

No of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Nogales	Frank Duffy	Nogales	A H. McClure	125 00
				Jessie Bohall	70 00
				Jessie Creager	70 00
				Lula R. Wood	70.00
				Edna J. Hallock	70.00
				Josephine A Saxon	70 00
				Zannibel Douthitt	70 00
				Beulah Smithson	70.00
				L. Grace Webb	70 00
2	Santa Cruz	J A Harrison	Nogales	N. Virginia Hill	70 00
3	Calabasas	W. H. Walker	Calabasas	S H. Beattie	65.00
4	Palo Parado	H S Walker	Calabasas	Alice Berry	70 00
5	Tubac	J. A Burruel	Nogales	James Cowan	80.00
6	Patagonia	W H. Barnett	Patagonia.	Louise O Dodge	80 00
7	Harshaw	R. Farrell	Harshaw	Anna Pugb	60.00
				Irene L. Reynolds	65 00
8	Oro Blanco	Arthur H. Noon	Old Glory	Martha Clayton	65 00
9	Lochiel	R. Harrison	Lochiel	Gertrude A Reike	70 00
10	Evans	E. M. Miller	Ft Huachuca	Irene L Reynolds	60 00
11	W. Huachuca	Jas Parker	Washington	Katherine Wood	70.00
12	Washington	C. A. Bankerd	Washington	Marian G Harrison	75.00
13	Sopori	Juan Elias	Tucson	Beatrice Carson	65 00
				Anna Pugh	65 00
14	Crittenden	O. F Ashburn	Patagonia	J. M Hackett	75.00

YAVAPAI COUNTY.

No of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Prescott	Rudolph Baehr	Prescott	B D Billinghurst	200 00
				Millicent Cuplin	90.00
				Corriene Smith	90 00
				Alvilde J. Lee	75 00
				Agnes Mason	75 00
				Blanche Fulton	75 00
				Anna Beidleman	75.00
				Clara Hoff	75 00
				Clara Swanson	75 00
				Carlie Edwards	80 00
				Helen Strange	85 00
2	Willi'ms'n Val	W. H Clark	Simmons	Emma J Lee	65 00
3	Lower Verde.	Jennie Bell	Camp Verde.	D E. Schnebly	70 00
4	Ora Belle.	G. P. Harrington	Crown King	M. C Jolly.	70 00
5	Octave.	T W. Bradley	Octave	Emma L. King.	80 00
6	Cottonwood	E V Dickinson	Cottonwood	Elizabeth Kerbaugh	75 00
7	Walnut Grove	J. O. Carter	Walnut Grove	J N Piper	75.00
8	Middle Verde.	S. G. Wallingford	Aultman	C B Coulson	75 00
9	Jerome	M. J. Foley	Jerome	W. W. McNeff.	150.00
				Stella Kerbaugh	90.00
				Meda McNeff	75.00
				Josephine Hottinger	75 00
				Addie B Conroy	100 00
10	Craig.	Geo. W. Neal	Kirkland	Fred Borders	65 00
11	Miller Valley.	T. E. Fitzsimmons	Prescott	Florence Ford.	70 00
12	Poland	E A Taylor	Poland	Olive L Bailey	70 00
13	Skull Valley	C L. Miller.	Skull Valley	Katie Caughran	65 00
14	Cherry Creek.	J R Boyer	Cherry	J H Franks	75 00
15				Gertrude Sutton	75 00
16	Oak Creek.	E. L Hendricks	Cornville	Creola Black	70 00
17	Congress	J. A. Kohlen	Congress	R E Dyer.	100 00
				Alice Campbell	75 00
				Lora Bell Wallace.	75.00
				Lottie Thayer	80 00

YAVAPAI COUNTY—Continued.

No. of Dist.	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
18	McCabe	James O'Brien	McCabe	Rachel Brady	$75.00
19	Dewey	C. C. Miller	Dewey	Lillian Glosby	70.00
20	Yeager	L B. Robbins	Jerome	Sarah Meredith	75.00
21	Walker	Geo. W Smith	Walker	Juanita Landon	75.00
23	Kirkland	Laura Earnhart	Kirkland	Inez B. Fisher	60.00
24	Squaw Creek	Eliza Hopper	Camp Verde	Minnie Rebbe	70.00
25	Martinez	F. M. Zarnouski	Martinez	Bella G. Beatson	65 00
26	Beaver Creek	B. F. Taylor	Camp Verde	Leona Green	60 00
27	Red Rock	H. Schuerman	Cornville	Oscar Rush	60 00
28	Camp Verde	Wm. Stephens	Camp Verde	Virgie Weatherford	75.00
				Anna Bowman	75 00
29	Peck's Lake	O J. Ames	Jerome	Louise Switzer	65.00
30	Minnehaha	Mary E. White	Minnehaha	Fred Borders	70.00
31	Ash Fork	J. A. Pitts	Ash Fork	Alice Stringfield	65.00
32	Granite Mt.	J. M. Croxdale	Prescott	Josephine Butler	75 00
				C F. Cox	75.00
33	Providence	B. F. Thomas	Poland	Harriet Douglas	70.00
34	Mint Valley			Florence Baird	65.00
35	Hillside	Henry McGrew	Hillside	Mrs. J. N. Piper	70.00
36	Jerome Junc.	W. R. Rhodes	Junction	Vic F. Harmon	70.00
37	Senator			Mary C. Miller	70 00
38	Lynx Creek	S. M. Boblett	Prescott	Grace Oldham	65 00
39	Groom Creek	Mrs. B. F. Major	Groom Creek	Mary C. Miller	70.00
40	Seligman	C. P. Owens	Seligman	Carrie Thompson	65.00
41	Crown King	J. R. McDonell	Crown King		
42	Iron King	W. H. Knight	Blanchard	Blanche Lowry	70 00
43	Mayer	Mrs. Joe Mayer	Mayer	Jessie M. Collins	75.00
44	Willard	Mrs. L. A. Willard	Cottonwood	E L. Bullion	65.00
				Etta Snedecor	65.00
45	Sultan	John Roberts	Hillside	Mrs. J. N. Piper	70 00
46	Del Rio	J. R. Mason	Junction	Nettie Tharp	70.00

YUMA COUNTY.

No. of Dist	Name of District	District Clerk	Postoffice	Name of Teacher	Monthly Salary
					$
1	Yuma	J. E. Devine	Yuma	H E. Miller	125 00
				Margaret Harrington	70.00
				Jennie Kent	70 00
				Lilah Bell	70 00
				Edna L. Greenleaf	70 00
				Mary E Post	70 00
2	Ehrenburg	S. M Wilson	Ehrenburg	Lottie B. Lewis	70.00
3	Gregg	J. I. Toler	Somerton	Adela I. De Berry	65 00
4	Quartzite	W. E Scott	Quartzite	Edna Cundiff	65.00
5	Southwell	J. C. Jaqua	Palomas	Edith Blakemore	100 00
6	Palomas	T. W. Underhill	Palomas	Cora L. Talbert	60 00
7	Mohawk	Geo. W. Norton	Mohawk	Lela Gardinier	70.00
8	Harrisburg	A. C. Scales	Harrisburg	Laura Rutherford	70.00
9	Fortuna	T. H Ryan	Fortuna	Gertrude Priest	70 00
10	Shady Side	M. Winsor	Yuma	Edith Hayden	60.00
11	Somerton	O. P Card	Somerton	J G. Barkley	60.00
13	Crane	D. C. Rose	Yuma	E Milwee	92 30
				C. H. Bissell	65 00
14	Sunny Side	J. H. Hobbs	Yuma	Maimie Donaldson	60 00
15	Kofa	A. W. Geoghegan	Kofa	Anita C Post	70 00
16	Algadonas	Geo. Thurman	Somerton	Margaret Fairholm	60.00
17	Forest Glenn	J. A. Crouch	Yuma	Mrs J B Flushanan	70.00
18	Cibola			Lizzie Barwise	60.00

ARIZONA LIFE DIPLOMAS.

Arizona Life Diplomas may be granted by the Territorial Board of Education to applicants who present proof that they have been successfully engaged in teaching for a period of at least ten years, one year of which has been in Arizona, and passing an examination in pedagogy, history of education, school economy and school government

Under this rule, the Board of Education has granted Life Diplomas to the following applicants during the biennial period.

Name of Applicant	Date of Diploma.
Isabella M. Moore	June 23, 1903
Edith M. Stowe	June 23, 1903
John W. Stewart	June 23, 1903
Ida A. Warren	June 15, 1904

TERRITORIAL EDUCATIONAL DIPLOMAS.

The Territorial Board of Education may grant Educational Diplomas to applicants who have been engaged in teaching in the public schools for a period of at least five years, and have held a first grade county or territorial certificate, and have been recommended as worthy by the Territorial Board of Examiners.

The Board has granted Educational Diplomas to the following applicants under this rule.

Name of Applicant.	Date of Diploma.
Hattie A. Lusk	Sept ., 1902
Andrew C. Peterson	Dec 6, 1902
Alice Hunter Davis	Dec 19, 1902
Jennie Boatman	Jan. 24, 1903
Lulu R. Hunter	Jan 24, 1903
Jessee Simmons	Jan 24, 1903
Mrs A. T Gattrell	March 7, 1903
Isoline B Combs	May 15, 1903
Caroline B. Potter	May 22, 1903
Mary R. Tuttle	May 22, 1903
Mrs R. C. Brown	June 23, 1903
J H Franks	Sept. 19, 1903
Samuel H. Beattie	Dec 29, 1903
James Wakefield	Dec. 29, 1903
Mamie Hogan	March 26, 1904
Lelia Akers	June 2, 1904

TERRITORIAL CERTIFICATES.

Territorial certificates may be granted by the Territorial Board of Education to graduates of universities and colleges of a similar rank, upon the following conditions. That the applicant file a certificate, signed by the President and the Professor of Education of the school in which he studied, that he has taken at least one year's work in peda-

gogy, history of education, school economy and school government. These certificates have the force of High School Certificates.

The following applicants have received such certificates

Name of Applicant	On What Issued	Date of Certificate
Olaff Halverson	Dip. Univ. of Minn	Aug. 21, 1902
John E. Winter	Dip Hope Coll., Mich.	Aug. 25, 1902
John T. Hefley	Dip. Univ. Oklahoma	Sept. 6, 1902
Elsie Harriett Gunn	Dip. Univ. Cal.	Sept 6, 1902
John W. Todd	Dip. Simpson Coll., Ia	Oct 22, 1902
Fern Abbott	Dip. Stanford Univ., Cal	Dec. 6, 1902
Beulah Smithson	Dip. W. Va. Female Coll	April 18, 1903
Mrs B. M. Griswold	Dip. Univ. of Ga.	Aug. 15, 1903
R. L. McDonnold	Dip. Univ. Nashville	Oct. 22. 1902
Catherine B. Reed	Dip. Simpson Coll., Ia	Sept. 19, 1903
Rebecca Selena Suhr	Dip. Stanford Univ., Cal	Sept. 19, 1903
Meda Hinckley	Dip. Univ. of Cal	Sept. 19, 1903
Corrinne E. Smith	Dip. Stanford Univ., Cal	Oct. 15, 1903
David T. McClelland	Dip. Stanford Univ., Cal	Dec. 29, 1903
Opal B. Heller	Dip. Univ. of Ill	March 21, 1904
Jessica Anna Wilson	Dip. Stanford Univ., Cal	April 23, 1904
Jedediah F. Woolley	Dip. Univ. of Mich	April 23, 1904
Lucy Edna Townsley	Dip. Univ. South Dakota	June 21, 1904

Territorial certificates may be issued by the Territorial Board of Examiners to the holders of Life Diplomas, Life Certificates, State Normal School Diplomas and State Limited Certificates, when in their judgment it seems advisable.

The Territorial Board of Examiners has issued certificates and fixed the grade thereof, to the following named applicants

Name of Applicant.	Upon What Granted.
Chas. H. Adams	Life Dip. of California
Sarah E. Ausemus	Dip. State Normal School of Kansas
Nellie M. Bliss	Dip. S. N. S. of Colorado
Willis M. Blount	Dip. S. N. S. of Indiana
Grace L. Bishop	Dip. S. N. S. of California
Carrie P. Brown	Life Dip. of California
Lilah Bell	Dip. S. N. S. of California
Amelia A. Brown	Dip. S. N. S. of Minnesota
Alza K. Blount	Dip. S. N. Univ. of Illinois
Mrs W. E. Banister	Life Dip. of California
Cornelia H. Bissell	Life Dip. of California
D. S. Butterbaugh	Life Dip of California
James D. Boyle	Dip. S. N. S. of Pennsylvania
Margaret A. Black	Dip. Northern Indiana N. S.
Kate Brewer	Dip. Washington, D. C., N. S.
Nettie E. Coffey	Dip. S. N. S. of Indiana
Millicent M. Cuplin	Life Dip. of Iowa
Blanche Carpenter	Life Dip. of California
Emma P. Cowden	Permanent State Cert. of Pennsylvania

Name of Applicant.	Upon What Granted.
Beulah Churchill	Permanent State Cert. of Pennsylvania
Abbie L. Curry	Dip. S. N. S. of California
Etta A. Cowverly	Dip S. N. S. of California
Elizabeth Caruthers	Dip. Peabody Nor. Coll. of Tennessee
O. O. Colebank	W. Va. State Cert
Florence L. Clark	Dip. S N. S. of Iowa
Verna B. Carson	Dip. S N. S of California
Rachel R. Cox	Dip. S. N. S. of Missouri
P. C. Cullen	Dip. S. N. S. of Nebraska
Geo. H. Crosby	Life Cert. of Utah
Zannibel Douthitt	Dip S. N. S. of Pennsylvania
Chas. L. Dayton	Dip. S. N. S. of New York
Adelia DeBerry	Life Dip of California
Erastus B. Dalley	Dip. Nor. Univ. of Utah
Emelie E. Devall	Dip. S. N S. of Louisiana
M. Drachman	Dip. S. N. S. of California
Helen M. Eddy	Dip S. N. S of Missouri
Annie Eckford	Permanent State Cert. of Pennsylvania
A. H. Fulton	Dip. S. N. S. of Illinois
Emma L. Faussett	Peabody Nor. Coll of Tennessee
Josie B. Fleishman	Life Dip. of California
Thad A. Gillam	State Cert. of Kentucky
Mary F. Gill	Ter. N. S, of New Mexico
Lela Gardinier	Dip. S. N. S. of New York
Margaret Graney	Dip. S. N. S of Wisconsin
Millard P. Groshong	Dip. S. N. S. of California
James L. Gilkerson	Permanent State Cert. of Pennsylvania
Thos. F. Grindell	Dip. S. N. S. of Wisconsin
Jessie C. Grosenbaugh	Dip. S. N. S. of Michigan
Mildred F. Gardner	Primary Life Cert. of Texas
Isabella D Gaddis	Ter. N. S of New Mexico
Katherine I. Gross	Dip. S. N. S. of Michigan
Mrs. Gertrude Geddes	Dip. McGill N. S. of Montreal
Minta Geach	Dip. S N. S. of California
Edna T. Hallock	Dip S. N. S. of New York
Gertrude M. Hinman	Dip. S. N. S of California
Exilde M. Hocken	Dip. S. N. S. of California
Maude P. Howlett	Dip S N. S. of California
Martha F. Hosmer	Life Dip. of California
Fannie Harley	Dip. S. N. S. of California
Ruby M. Hatley	Dip. S. N. S. of New York
Bertha F. Huntsman	Dip S. N S. of New York
Mabel Hemmersley	Life Dip. of Colorado
Mattie Heermans	Dip Elementary Course U of Michigan
Margaret M. Harrington	Dip. S N. S of California
Esther L. Jewell	Dip. S. N. S of California
W. H. Kramer	Life Dip. of Nebraska

Name of Applicant.	Upon What Granted
W. F. Kent	Life Dip. of California
Mary A. Klingensmith	Dip. S. N. S. of Pennsylvania
Mary E. Kelsey	Dip. S. N. S. of California
Benj. F. Kaiser	Life Dip. of Kansas
Dora T. Israel	Dip. S. N. S of California
Jennie Lowther	Dip. S. N. S. of California
Clarence W. B. Link	Dip. Ter. N. S. of New Mexico
Phoebe Lowry	Dip, S. N. S of California
B. P. Lane	Life Dip. of Texas
Andrew R. Lynch	Life Dip. of Colorado
Mrs. Eugenia Lindsay	Life Dip of California
Alvilda J. Lee	Dip. S. N. S. of Wisconsin
Mary L. Larkin	Dip. S. N. S. of Minnesota
Maude J. Landon	Dip. S. N. S. of California
Mary H. E. Larson	State Cert. of Utah
Mrs. S. M. Long	Life Cert. of California
Agnes D. Mason	Dip. S. N. S. of California
Luverna Merriman	Dip. S. N S of California
Delores V. Moss	Dip. Ter. N. S. of New Mexico
Geo. H. Mullin	S. N. Cert. of Pennsylvania
Henry E. Miller	Dip. S. N S. of California
Sarah E. Meredith	Dip. N. S. of California
Edgar Millwee	Permanent State Cert. of Texas
S. C. Myers	Life Dip. of Missouri
B. F. McDonald	Life Dip. of California
A. H. McClure	Dip. National Northern U. of Ohio
Rosemary De L. McCarthy	Dip. S. N. S. of Michigan
Elizabeth McNally	Dip. S. N. S. of Iowa
Maude McDonald	Dip. Provincial N. S. of New Brunswick
Addie Nicks	Detroit Nor. Coll. of Texas
Nellie J. Newby	Dip. S. N. S. of California
Cinda Nickell	Life Cert. of Kentucky
Licy H. Phillips	Dip. S. N. S. of Illinois
Elizabeth Parrott	State Life Cert. of Oregon
Chas. F. Philbrook	Dip. S. N. S. of Illinois
Mrs. Fannie H. Pugh	Dip. Sam Houston Nor. Inst. of Texas
Maud S. Philbrook	Dip S. N. S. of Illinois
John A. Riggins	Dip. S. N. S. of Illinois
Caroline H. Rodgers	Dip. S. N. S. of California
Laura S. Rutherford	Dip. Ter. N. S. of New Mexico
Gussie M. Rodgers	Dip. Ter. N. S. of New Mexico
May Roberts	Dip. S. N. S. of Iowa
Henry H. Roser	Dip. S N. S. of Wisconsin
Emma Rebman	Dip. Northern Indiana N. S.
Wilber E. Sheldon	Dip. S. N. S. of California
Ethel Stidston	Dip. S. N. S. of California
Gertrude R. Sutton	Dip. S. N. S. of Missouri

Name of Applicant.	Upon What Granted
Clara G. Swanson	Dip. S. N. S. of Michigan
Rebecca M. Scudder	Dip. S. N. S. of Indiana
Laura J. Stules	Dip University of Nashville Nor Coll.
Lizzie M. Sehorn	Life Dip. of California
Anna May Sharp	Diploma Northern University of Ohio
John H. Stephens	Life Certificate of New York
Bessie Swan	Dip. S. N S of Pennsylvania
Lottie M. Thayer	Dip. S. N. S. of Michigan
Mrs. M F. Thompson	Dip S. N. S of California
Abbie F. White	Dip S N. S. of Wisconsin
Florence L Utter	Dip. Ter N. S of New Mexico
J. T. Wilkinson	Dip. S. N. S. of Utah
Ida E. Whittington	State Life Certificate of California
Olive M. Wilkins	Dip S N. S. of Michigan
Lillian White	Dip S. N. S of New York
Ella Washburn	Dip. S N. S of California
Nellie Work	Dip. S. N. S. of California
Raymond T. Welch	Ohio Nor. University
Myrtle M. Zuck	Dip. S. N. S. of Illinois

Arizona's Educational Exhibit at the World's Fair.

Under the direction of the Arizona World's Fair Board of Managers, there was collected by this office, by and with the assistance of County Superintendents, Principals and Teachers, specimens of the work done in our public schools by the pupils of the Territory. These specimens represented the actual work done by the pupils under the prescribed Territorial course of study. Each piece of work bore the name of the pupil, his age, and the grade and the school to which he belonged The collection from a school was labelled, giving the name of the school and the county in which it was located The collection from each county represented was again marked and wrapped in a separate package, bearing the name of the county.

The entire collection, before being shipped, was carefully examined by a select committee, consisting of experienced teachers of the Territory, for the purpose of selecting the very best, as being representative of our educational system.

These specimens were placed in the Arizona section of the Educational Building at St. Louis, and displayed in an attractive manner on counters and shelves prepared for the purpose

There were also collected many pictures of school buildings of the Territory; the larger ones being mounted and framed and hung on the walls of the building; the smaller ones mounted in albums provided for them.

The collection has been arranged and cared for by an experienced lady teacher, who has been very painstaking in showing the work of the Arizona schools to interested visitors.

The following letter from Mrs. E. E. Ford, who has charge of the Arizona Section of the Educational Exhibit at the World's Fair at St. Louis, will speak for itself:

"ST. LOUIS, MO., Sept. 2, 1904.

Supt. N. G Layton, Phoenix, Arizona.

DEAR SIR:—It is with much pleasure that I attempt to tell of our Arizona school work here at the Fair.

First, it has been a great surprise to the eastern people to see that we are doing the same work in our Arizona schools that they are doing here in the east. Our work compares most favorably with that of other schools in the same grades, and I have taken the time to examine other work that I might satisfy myself as to the merits of our own. In many cases I realize that our maps, language work and drawings are superior to that from many other schools. Many teachers come in to copy, and ask questions about Arizona schools. People, in passing, will stop and examine our work, and I often hear most favorable remarks after such examinations.

The uncorrected work of the Arizona pupils is the kind that receives the most favorable mention.

From what I can gather Arizona has certainly made a good impression on the minds of the visitors by her display in educational lines, and prospective residents feel, in making a home in Arizona, that their children will have advantages equal to those of the eastern states

I have just completed my report to the jury of awards and am hoping for great things for our Arizona Schools, when the awards are made.

Yours respectfully,

MRS. E. E. FORD."

Rules and Regulations

Governing the Examination and Certification of Teachers for the Public Schools of Arizona.

Adopted by the Territorial Board of Examiners, under Subdivision First, Section 12, Chapter II, of the School Laws of Arizona, on March 12, 1904, to be effective on and after April 1, 1904.

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1. The regular quarterly examinations of teachers shall be held at the county seat of each county, and shall begin on the first Monday of March, June, September and December, respectively, and shall close on the Tuesday following. There shall be two daily sessions, from 9 a. m., to 12 noon, and from 1 p. m. to 4 p m.

2. The examinations shall be held in the public school house, if practicable; if not, then in some suitable place, so arranged with desks and seats that the applicants cannot readily communicate with each other.

3. The examination shall be conducted by the County School Superintendent or his duly appointed and qualified deputy.

4. The County Superintendent, or his deputy, shall supply the applicants with writing material, the paper so applied to be single-sheet legal cap or single-sheet foolscap.

5. The County Superintendent shall exclude from the examination any person who is defective in hearing, who stammers, or whose certificate has been revoked.

6. The printed questions sent by the Territorial Board of Examiners for use in the examination will be divided into four lots, each lot enclosed in a separate envelope, properly marked and sealed with wax, and bearing the imprint of the seal of the Territorial Board of Examiners. The County Superintendent shall open each lot at the beginning of the period indicated on its cover, in the presence of the applicants and one county official, and distribute the questions contained therein among the applicants, giving to each applicant a complete set thereof. Exception is made, however, in the distribution of the first lot, in this particular The Superintendent will pronounce the words to be spelled, and collect the answer papers, before distributing the questions as above directed. There shall be no interruption of the session until each applicant shall have handed in his or her answer papers to the Superintendent, which must be at the close of the session No papers will be returned for correction after having been handed in to the Superintendent. The examination of applicants for Life Diplomas will be held on the first day of June and December examinations, and will be conducted under the same rules as govern the examinations of applicants for Territorial Certificates.

7. Holders of Second Grade Certificates, issued since March 1, 1899, and which show an average grade of 80 per cent, and no grade less than 70 per cent in either grammer, orthography or arithmetic, and not less than 50 per cent in any other study, may take the examination in algebra and natural philosophy only, and if a percentage of 80 is made in each of these studies a First Grade Certificate will be granted.

8. Each applicant must furnish a certificate of good moral character signed by two well known persons. No certificate will be issued without this recommendation.

9. Immediately after the close of the examination on Tuesday, at 4 p. m., the Superintendent will enclose the answer papers of each applicant in a separate envelope, addressed to the Superintendent of Public Instruction, and deposit them in the post office.

10. All papers must be written in ink. Write on one side of the paper only. Take a different sheet of paper for each subject. Write the name of the subject at the top of the paper, and, when completed, fold and write on the back your name and the name of the subject. Answer in clear, concise terms. Number your answers to correspond with the questions. A complete solution of all problems in arithmetic and algebra must be given. Credits will be deducted from illegible or carelessly written manuscripts.

11. Collusion or dishonesty on the part of any applicant will invalidate his examination.

12. Applicants will take an examination in the following subjects:

Orthography (Spelling)—Ability to spell words in common use and a fair knowledge of the rules of spelling.

Arithmetic, Grammar, U. S History, Geography and Physiology and Hygiene, as outlined in the Course of Study.

Writing—Ability to write any standard system of penmanship in accordance with the rules thereof.

Composition—Ability to invent thought and to give it proper expression in written form.

Defining—Including analysis, synonyms and definitions.

Civics—The equivalent of Dole's American Citizen or any other acknowledged authority on this subject.

Algebra—Through quadratics, including radicals.

Natural Philosophy—The equivalent of any high school text book.

Methods of Teaching—Covering all subjects taught in the schools, including discipline.

School Law—Including the rules of the Board of Education, and of the Board of Examiners, Course of Study, etc.

13. To secure a First Grade Certificate an applicant must make a grade of not less than 70 per cent in Arithmetic, Orthography and Grammar, and in each of the other studies he must make a grade of at least 50 per cent, and an average of 80 per cent of the standard credits.

14. To secure a Second Grade Certificate an applicant must make at least 65 per cent in Arithmetic, Orthography and Grammar, and at least 40 per cent in each of the other studies, and an average of at least 70 per cent of the standard credits.

NOTE—Applicants for Second Grade Certificates are not required to pass examination in algebra and natural philosophy

15 Applicants for Life Diplomas are required to pass an examination in Pedagogy, History of Education, School Economy and School Government, making a grade of not less than 80 per cent in each of these subjects and, in addition, must have had ten years' experience in

teaching, one year of which must have been in Arizona on a First Grade Certificate.

NOTE —Applicants for Life Diplomas will be furnished with blank applications, which they will fill out in accordance with the instructions thereon

16. An applicant for an Educational Diploma must have had at least five years' experience in teaching in the public schools and must be the holder of a First Grade County or Territorial Certificate. Blank applications for Educational Diplomas will be furnished by the Superintendent of Public Instruction.

The County Superintendent will read rules 10 and 11 to the applicants before proceeding with the examination, giving them credit for the time so taken.

GENERAL INFORMATION FOR APPLICANTS.

1 The Territorial Board of Education will grant a Territorial Certificate to a graduate of a university or a chartered college of similar rank on the following conditions· The applicant must have completed a full English, classical or scientific course, covering a period of four years; and, in addition, must accompany the application with the Diploma of Graduation and a statement signed by the President and the Professor of Education of the school in which he studied that the applicant had taken at least one year's course in Pedagogy, History of Education, School Economy and School Government. Such Certificate is intended to have the force of a High School Certificate.

2 Territorial Certificates will be granted by the Board of Examiners to holders of Life Diplomas and State Normal School Diplomas issued in any one of the United States, without examination, when such diplomas authorize the holders to teach in the public schools of the State in which they were issued, but not otherwise. Graduates of the Normal Schools of Arizona are authorized to teach in the public schools of the Territory without further certification

3. A Second Grade Certificate will be granted to a holder of a Limited State Certificate, provided that at the time of making application for an Arizona certificate such Limited State certificate would authorize the holder to teach, for a period of three years, in the public schools of the State in which it was granted.

4 Graduates of the Arizona Normal School may, upon application to the Board of Examiners, obtain, without examination, a Territorial Certificate. The Diploma of Graduation must accompany the application.

5. An applicant for a Territorial Certificate, on examination, shall pay to the County Superintendent a fee of two dollars, to be deposited in the County Teachers' Institute Fund. An applicant for a Life Diploma or an Educational Diploma will be charged a fee of five dollars.

6. A First Grade Certificate may be renewed for a like period for which it was originally granted, provided the applicant shall have taught two years on such certificate.

7. Educational Diplomas are not renewable under the law. Second Grade Certificates will not be renewed

ATTEST: A true copy.

N. G. LAYTON,
Superintendent of Public Instruction.

PHOENIX, ARIZONA.

Examination Questions.

FOR COUNTY AND TERRITORIAL CERTIFICATES.

MONDAY, A. M., MARCH 7, 1904.

PRELIMINARY.

1. Write your age, name and residence.
2. Where were you born? Educated?
3. When, and how long in months, have you taught school?
4. Have you ever held a certificate? If so, when, and of what grade?
5. Fill out blank application.

NOTE.—All questions should be answered, when practicable, in complete sentences.

The entire operation in the solution of problems in Arithmetic and Algebra should be given.

Your standing in Writing and Composition will be determined from the general character of your papers.

ORTHOGRAPHY (Spelling.)

(50 words: 100 credits, 2 to each word.)

1. Area	18. Decimal	35. Movable
2. Amiable	19. Denominator	36. Nourishment
3. Amendment	20. Definition	37. Nutriment
4. Brilliant	21. Delegation	38. Oracle
5. Bruise	22. Excellent	39. Orifice
6. Balance	23. Exonerate	40. Particle
7. Camphor	24. Fierce	41. Physiology
8. Crystal	25. Flexible	42. Residence
9. Crescent	26. Grieve	43. Retrieve
10. Coincidence	27. Glacier	44. Scepter
11. Commandment	28. Hinge	45. Sympathize
12. Docile	29. Hypocrite	46. Sulphur
13. Discreet	30. Isthmus	47. Sieve
14. Diffidence	31. Island	48. Secrecy
15. Deference	32. Jaundice	49. Separate
16. Detriment	33. Lovable	50. Valiant
17. Doctrine	34. Liable	

ARITHMETIC.

(10 problems: 10 credits each.)

1. Write decimally: forty thousand units, and sixty-three millionths; 400 units, and 305 ten thousandths

2. If a pipe discharge 14.6[1] in a minute, how many hektoliters will it discharge in two hours?

3. If a man walk 120 miles in six days of ten hours each, how many miles will he walk in sixteen days of eight hours each?

4. A cubical box contains 19,683 cubic inches· what is the length of its edge?

5 A boy in flying his kite, let out 2040 feet of string, and the distance from where he stood to a point directly under the kite was 208 feet. how high was the kite, supposing the string to be straight?

6. A horse tied to a stake can graze on 218⅙ square yards of surface to what distance from the stake can he graze?

7. A brass ball contains 904 7808 cubic inches· what is its diameter?

8. I sold goods at 20% gain, and, investing the proceeds, sold at 20% loss: did I gain or lose by the operation, and what per cent?

9. A and B formed a partnership for one year, and A put in $2000 and B $800 how much more must B put in at the end of six months to receive one-half of the profits?

10. I sold 50 bushels of wheat for A and 60 bushels for B, receiving $150 for both lots. if A's wheat is worth 20% more than B's, how much ought I to pay each?

DEFINING.

(10 questions: 10 credits each)

1. Write words illustrating the different forms of the prefixes *ob* and *sub*.

2. Give the meaning of these prefixes· inter, re, post, per, pre, semi, ir, ef, di, bene

3. Write words illustrating the use of these suffixes ible, al, ent, en, dom, est, ing, ist, ie, or.

4. Distinguish in meaning. (*a*) conceal, disguise, secrete; (*b*) defended, protected.

5. Write sentences in which the following words are used correctly: adapt, enact, relegate, project, elate, conjecture, dissension, retrospect.

6. Give synonyms for the following precise, deride, effect, verbose, abstruse, comment, languish, prior, chagrin, interpose.

7. Write for the following, words of opposite meaning: dignified, secluded, mishap, precede, principal, lavish, expedition, prosy, rational, conserve.

8 Construct words derived from these stems: aud, clin, anim, cap, alt, ag, ced, cad, medi, pos.

9 and 10. Define the following· palliation, vestige, coercion, sedative, perfunctory, incognito, condolence, mendicant, innocuous, emanate.

MONDAY, P M, MARCH 7, 1904.

NOTE—All answers must be handed in at 4 o'clock.

READING.

(10 questions, 10 credits each)

1. (*a*) What is reading? (*b*) How many elementary sounds in our language? (*c*) What is pronunciation?

2. Write a word for each of the following· a, ā, ä, ĕ, ĭ, ŏŏ, ŏŏ, ē

3. Name the books you have read during the past year, and give an outline of each.

4. Analyze the thought in the following:

"There's a magical isle up the river of time,
Where the softest of airs are playing;
There's a cloudless sky and a tropical clime,
And the Junes with the roses are straying."

5. (*a*) What are (1) vocals, (2) subvocals, (3) aspirants? Illustrate each. (*b*) How many sounds are represented by each of the following: a, e, i, o, u?

6. What is (1) pitch, (2) inflection, (3) accent, (4) emphasis, (5) diphthong?

7. Show accent and diacritical marks in the following: nuisance, exquisite, legislature, illustrate, they, boy, truth, police, piano, America.

8. What differences are there between prose and poetry?

9. What difference would you make in tones of voice in reading the "Psalm of Life" and a humorous selection? Give reasons.

10. What may the teacher do to help the pupil acquire a love for the best literature?

GRAMMAR.

(10 questions; 10 credits each).

1. Write an essay of fifteen lines on the difficulty between Russia and Japan.

2. By diagram or otherwise, give complete analysis of the following: To be contented with what is sufficient is the greatest wisdom; he who increases his riches increases his cares.

3. Parse underlined words in the sentence just analyzed.

4. Define (1) a rhetorical figure, (2) four of the most used figures of rhetoric, (3) give example of each figure defined.

5. (*a*) Write the possessive plural of the following (each in a sentence): ox, woman, valley, calf, sheep; (*b*) write the following (each in a sentence): passive form, past tense, plural number,—do, set, lay, freeze, give.

6. Write five rules for the use of capital letters. Give an example of each in a sentence.

7. Give principal parts of the following: been, blown, chase, bend, fly, go, sit, see, rise, wring.

8. Write a sentence to complete an incomplete transitive verb, (1) by phrase, (2) by an infinitive, (3) by a clause, (4) by a participle.

9. Write a sentence to complete an incomplete intransitive verb, (1) by an adjective, (2) by a participle, (3) by an infinitive, (4) by a phrase, (5) by a clause.

10. Correct or justify the following: (1) Now boys, I want every one of you to decide for themselves; (2) There comes the boys; (3) I intended to have called; (4) I wish I were a musician.

METHODS OF TEACHING.

(10 questions; 10 credits each)

1. State fully your method of conducting a reading lesson in the fifth grade under these headings. (1) introduction, (2) development, (3) conclusion.

2. Discuss a plan of teaching division of fractions

3. Outline through its different stages of development a lesson in composition to a fourth grade pupil.

4. What plans have you for avoiding (1) whispering, (2) quarreling, (3) tardiness.

5. Give an outline of work in spelling suitable for third, fifth and eighth grades.

6. Take some topic in geography and explain how you would handle it in a seventh grade class.

7. State how you teach Hygiene in a primary school.

8. How should recitations, during the first day of school, be conducted? Why?

9. State five exercises you would give for seat work to (1) the first grade, (2) the second grade.

10. Outline your plan for the last half-hour of the day's work in a country school.

TUESDAY, A M, MARCH 8, 1904

NOTE—All answers must be handed in at 12 o'clock.

GEOGRAPHY.

(10 questions, 10 credits each)

1. (1) What ocean currents touch North America? (2) How have these currents affected the history of the country?

2. (1) Name and locate ten manufacturing cities of the United States (not more than one in any one state). (2) State the principal article manufactured in each

3. (1) Bound Arizona by naming the counties on each boundary line. (2) Locate Globe, Jerome, Tucson, Florence, Flagstaff.

4. (1) What countries of the world lie in about the same latitude as Germany? (2) Name two Russian ports on the Baltic Sea and two on the Black Sea.

5. (1) Draw an outline map of Russia bordering on Pacific Ocean. (2) Locate Vladivostok, Port Arthur, Seoul, Yalu River, Chemulpo.

6. What are the chief imports from, and the chief exports to, France; England?

7. What countries stand first in the production of (1) wheat, (2) iron, (3) lead, (4) beef, (5) coal?

8. Describe the following rivers: Zambesi, Ural, Orinoco, Ganges, Danube.

9. Name five groups of islands in the Pacific, and state, with respect to the equator, the location of each group.

10. What states and countries border on the Gulf of Mexico? Name the capital of each.

UNITED STATES HISTORY.

(10 questions; 10 credits each)

1. Name two Spanish, two French, two German and two English discoverers or explorers, telling what each discovered or explored that immortalized him.

2. Give a careful history of the introduction of negro slavery into the colonies.

3. (1) Explain Mason and Dixon's Line. (2) Give an account of the "Grand model."

4. Give a careful account of the two battles of Saratoga, together with results

5. State the points in the "Great Law" enacted by Penn and his people.

6. (1) What is the "Monroe Doctrine"? (2) What effect has it had, and what effect does it now have, in America?

7. Give a history of John Brown's Raid and the results of it.

8. (1) What was Lincoln's Emancipation Proclamation? (2) What called it forth. (3) Give, in substance, the thirteenth amendment to the Constitution of the United States.

9. (1) Give a brief account of Sheridan's raid in the Shenandoah Valley. (2) What assistance did the government render in the building of the Union Pacific Railroad?

10. Write a brief account of the Panama Canal question.

PHYSIOLOGY AND HYGIENE.

(10 questions; 10 credits each.)

1. How, when, where and why is saliva produced?

2. Describe carefully (1) the intestines, (2) the work of each division of the intestines.

3. Describe the process of (1) absorption, (2) assimilation of food.

4. (1) What are the uses of the red and the white corpuscles of the blood? (2) Describe each kind. (3) What is the use of the plasma of the blood?

5. (1) State the cause of fainting, and how to treat it. (2) Describe the nervous mechanism of the heart.

6. (1) Describe the derma and the epidermis. (2) Give uses of each.

7. (1) State the use of the cerebellum. (2) Describe the cerebrum.

8. (1) Name three uses of the bones. (2) Tell how flexible joints act. Give an example of a flexible joint; of an inflexible joint.

9. (1) Of what is muscle made? (2) How are muscles attached? (3) Name two classes of muscles. Give example of each.

10. (1) State three ways the body has of destroying germs of disease. (2) State three principal ways man destroys disease germs.

TUESDAY, P M, MARCH 8, 1904.

NOTE—Applicants for first-grade certificates must hand in all answers at 4 o'clock. Applicants for second-grade certificates must hand in all answers at 3 o'clock.

SCHOOL LAW

(5 questions 20 credits each).

1. What are the provisions of the School Law relating to teaching sectarian doctrine, and conducting religious exercises in the public schools?

2. What is the "School Age" in Arizona? (2) Of what age must pupils be to be subject to the provisions of the compulsory school law?

3. Name the holidays prescribed by the School Law. (2) What is a school month?

4. State briefly the provision relating to teachers filing their certificates with the County Superintendent. (2) The drawing of warrants by that officer in favor of any teacher who has no certificate on file in his office.

5. What principles should the teacher endeavor to impress upon the minds of the pupils? (2) What are his duties during recess, and upon the playground?

CIVICS.

(10 questions 10 credits each).

1. What is a preamble; a constitution; an amendment?

2. What is the difference between a Democracy and a Republic?

3. What is a census? (2) When was the first United States census taken? (3) How often is this census taken?

4. How are the representatives in congress apportioned among the different states? How many electoral votes has each state?

5 What are the provisions of the Constitution relating to religious beliefs? personal rights of individuals.

6. Name three things the states are not permitted to do, as prescribed by the Constitution? (2) What are the co-ordinate branches of our National Government? Define each.

7. What does the Constitution say about freedom of speech, and of the press, about the right of trial by jury?

8. What are letters of marque and reprisal? What does the Constitution say in relation to titles of nobility?

9. What is a tax? (2) What are duties? [3] Why are taxes and duties necessary?

10. Who is the present governor of Arizona? Name five of his duties. What officer acts in his place during a temporary absence from the Territory?

NATURAL PHILOSOPHY.

(10 questions 10 credits each)

1. Explain by a diagram, the construction and action of a siphon.

2. Apply the principle of work to [1] the wheel and axle, [2] the inclined plane

3. Find the points of application of the resultant of two forces, 7 and 13 units, acting in parallel lines 40 inches apart and in the same direction.

4. What are two uses of the barometer? [2] State its action in each case.

5. Why are there echoes in a very large empty room? Why do they disappear when the room is filled with people?

6. Why does a clock lose time in summer and gain in winter? (2) Does temperature affect the density of a substance? Why?

7. How many gallons of water can a 100-horse power engine raise 200 feet high in ten hours? Assume that a gallon of water weighs eight pounds.

8. What is electrolysis? State some of its uses.

9. Show by a diagram how a straight stick held obliquely and immersed partly in water appears to a person in the air, and trace a pencil of rays from the lower end of the stick to the eye.

10. State how it may be shown that there are two kinds of electricity. [2] Explain the action of the voltaic arc.

ALGEBRA.

(10 questions: 10 credits each).

1. Simplify the following expression and regroup the terms according to the powers of x: $ax^3-2cx-[bx^2-\{cx-dx-(bx^3+3cx^2)\}-(cx^2-bx)]$.

2. Factor: [a] $4x^2-4xy-15y^2$; [b] a^3-8b^{15}.

3. Expand by formula and show each step: [a] $(x^2-2x+3)^3$; [b] $(x+2y)^4$.

4. Solve: $\dfrac{2x+3}{x+1}=\dfrac{4x+5}{4x+4}+\dfrac{3x+3}{3x+1}$.

5. Find the value of
$$\cfrac{x-2}{x-2-\cfrac{x}{x-\cfrac{x-1}{x-2}}}$$

6. Out of a certain sum a man paid $96.00; he loaned one-half of the remainder, and then spent one-fifth of what he had left. After these deductions, he still had one-tenth of the original sum. How much had he at first?

7. Solve for values of x and y:
$$\left.\begin{aligned}\frac{2y-x}{4}&=4xy\\ \frac{4}{y}-\frac{3}{x}&=9\end{aligned}\right\}.$$

8. Extract to three terms the cube root of: $27x^6-27x^5-18x^4$.

9. Find the value of: [a] $4\sqrt{63}+5\sqrt{7}-8\sqrt{28}$;

[b] $3\sqrt{147}-\frac{7}{3}\sqrt{\frac{1}{3}}-\sqrt{\frac{1}{27}}$

10. The perimeter of a rectangular field is 500 yards, and its area is 14,400 square yards; find the length of the sides.

MONDAY, A. M., JUNE 6, 1904

NOTE—All answers must be handed in at 12 o'clock

PRELIMINARY.

1. Write your age, name and residence.
2. Where were you born? Educated?
3 When, and how long in months, have you taught school?
4. Have you ever held a certificate? If so, when and of what grade?
5. Fill out blank application.

NOTE.—All questions should be answered, when practicable, in complete sentences.

The entire operation in the solution of problems in Arithmetic and Algebra should be given.

Your standing in Writing and Composition will be determined from the general character of your papers

ORTHOGRAPHY (Spelling.)

(50 words; 100 credits, 2 to each word)

1. Twitch
2. Drought
3. Shrewd
4. Yeast
5. Oxygen
6. Bureau
7. Prairie
8. Ballot
9. Franchise
10. Plateau
11. Physics
12. Raisin
13. Vestige
14. Grievous
15. Barrier
16. Parole
17. Patrol
18. Celery
19. Advertise
20. Lambkin
21. Courteous
22 Synonym
23. Symmetry
24. Chorister
25. Barbecue
26. Traceable
27. Dissolute
28. Moccasin
29. Criticise
30. Financier
31. Auctioneer
32. Adjacent
33. Vaccinate
34. Correlate
35. Italicise
36. Apologize
37. Excusable
38. Hypocrisy
39. Psychology
40 Acceptable
41. Accessory
42. Acknowledgment
43. Convalescent
44. Appurtenance
45. Simultaneous
46 Pedagogy
47. Economize
48. Reversible
49. Ineligible
50. Ecuador

ARITHMETIC.

(10 problems 10 credits each)

1. Define problem, example, multiple, factor, solution, promissory note, bank discount, brokerage, per cent, interest.

2. Express .25625 as a common fraction, and reduce the result to its lowest terms.

3. How many cubic meters of gas will fill a round gasometer 5.5m in diameter and 3.25m deep?

4. What decimal of a rod is .165 of a foot? Analyze fully.

5. If 4 men in 7⅔ days earn $53⅔, how much will 7 men earn in 30⅔ days?

6. A merchant bought a bill of goods amounting to $675 on 60 days credit; but obtaining the money, cashed the bill at 5% off. What was the cost of the goods?

7. The base of a pyramid is 12 inches square, and its height is 15 inches, and the base of a cone is 12 inches in diameter and its height 15 inches. What is the difference in their solid contents?

8. A mixture of 5 pounds of tea worth 80 cts. per pound, and 8 pounds of tea worth 90 cts. per pound was sold at 85 cts. per pound. What was the gain or loss per cent.

9. The capital of an insurance company is $500,000 and it declares a dividend of 4% with $2,500 surplus. How much money is distributed among the stockholders? What were the net earnings of the company?

10. The amount of tax to be assessed in a certain township is $19,340.10; the taxable property is $1,425,400 00; and the number of polls assessed at $1.50 each, is $540. What amount of tax must be assessed on property? What is the rate per cent?

DEFINING.

(10 questions: 10 credits each.)

1. Use these prefixes and suffixes in words and give their meaning when so used: intro, retro, suf, ef, car, ble, age, ent, mony, oid.

2. Write and define nouns denoting place where, from the following words: grain, deposit, penitent, arm, observe.

3. Compose sentences containing these words: confluence, arrogant, aquatic, lucrative, prohibitive.

4. Give the meaning of these root-stems, and write a derivation from each: norma, loquor, aevum, claudo, dico, frater, moneo, plico, rego, sequor.

5. Write synonyms for cautious, anxiety, decry, preclude, mistrust, arduous, fealty, concise, incentive, ameliorate.

6. Analyze: complication, frontispiece, proficient, beneficent.

7. Give the different varieties of these prefixes: ex, in, con, ad.

8. Write words of opposite meaning: vilify, brusque, rigid, continuity, abridge, diffidence, capricious, quiescent, inert, tortuous.

9 and 10. Define: indictment, rancor, infallible, obsolete, innovation, subsidiary, captious, desecrate, filial, incredulous.

MONDAY, P. M., JUNE 6, 1904.

NOTE—All answers must be handed in at 4 o'clock.

READING.

(10 questions; 10 credits each)

1. Reading in the higher grades should have two purposes. What are they?

2. Illustrate how emphasis puts feeling and understanding into composition.

3. What is circumflex? Is circumflex inflection?

4 What is the difference between an intelligent and an effective reader?

5 What are the chief objects of oral reading as contrasted with silent reading?

6 Name five works, poetry or prose, that you have read and liked, and tell why you liked them, also, what you know, in brief, of the writers?

7. Show by proper diacritical marking how the following words are pronounced ask, arm, though, earth, apparatus, abdomen, leisure, coquet, routine, ceiling.

8 Define articulation, reading, volume, enunciation, aspirate.

9. Quote a stanza in poetry and re-write it in prose.

10. Give a careful outline of some book you have read during the past year.

GRAMMAR

(10 questions, 10 credits each)

1. Write a letter to your County Superintendent, the body of which shall contain not less than twenty-five words.

2. In the following sentence name the subjects, predicates, complements, modifiers, connectives, and classify it as to (*a*) meaning, (*b*) form "There are a good many of the Browns, and they live at a place near Salt river, called Tempe "

3. Name the parts of speech in the above sentence.

4. Write a sentence containing the word "sow" in the third plural, present perfect, progressive, indicative.

5. Form the feminine that corresponds to each of the following masculines· bachelor, drake, monk, gander, ox, lord, buck, stag, youth, hart.

6 In sentences use the (*a*) simple personal pronouns, (*b*) simple relative pronouns, (*c*) interrogative pronouns.

7. Rewrite the following, using capital letters and marks of punctuation where they belong "i want my supper wailed nora who was tired and hungry tom too began to cry and for a while the older ones were at their wits ends to comfort the young children at last the little ones fell asleep "

8. Write sentences illustrating six constructions of the infinitive.

9. Give an example of the noun clause used as the subject; one used as the object; one used independently.

10. Diagram the following. Milton said that he did not educate his daughters in the languages, because one tongue was enough for a woman.

PHYSIOLOGY AND HYGIENE.

(10 questions, 10 credits each.)

1. Do you think the study of physiology in the public schools of material benefit? Give reasons for your answer.

2. Describe the structure, and give three uses of the skin. Give two rules for preserving its health.

3. Describe the structure and the use of the teeth. Give rules for care of the teeth.

4. How does the gray nerve matter differ from the white (*a*) in structure, (*b*) in function?

5. What is a stimulant? What is a narcotic? State the effect of each on the digestive organs.

6. In case of the fracture of a bone, describe nature's process of repair.

7. What is meant by the alimentary canal? Name three classes of foods. Name three digestive fluids, and the organ secreting each.

8. Name four uses of the skeleton. Illustrate three classes of levers.

9. What is meant by anatomy, physiology, hygiene.

10. Name the kinds of joints in the following parts of the body: elbow, great toe, neck, hip, shoulder, thumb.

TUESDAY, A. M., JUNE 7, 1904

NOTE.—All answers must be handed in at 12 o'clock.

GEOGRAPHY.

(10 questions: 10 credits each.)

1. Locate and give the general direction of the following ranges of mountains: Pyrenees, Ural, Appenines, Sierra Nevada, Mountains of the Moon.

2. (*a*) Compare the heat belts of Eurasia and North America. (*b*) Account for the differences in the distribution of heat in these two grand divisions.

3. What are the great mining countries of Eurasia? Agricultural countries? Manufacturing countries?

4. Compare China and Japan as to size, population, government, foreign commerce, chief products. Name the capital of each.

5. Name and locate five of the world's most important seas and bays; five straits; five islands; five peninsulas; five capes.

6. (*a*) Name five of the principal rivers of Africa. (*b*) Into what body of water does each of these rivers empty?

7. Draw an outline map of Colorado, locating thereon its principal rivers, its capital and two other important cities. Name three of the principal products of this state.

8. Compare the states of Maine and Washington as to latitude and longitude, size, population, climate, and principal products.

9. Locate the following cities and give some important historic event associated with each: Concord, Philadelphia, New Orleans, Quebec, City of Mexico, Yorktown, Boston, Salem, Havana, Manila.

10. What and where are the following: Vera Cruz, Korea, Bosphorus, Flattery, Sardinia, Zambesi, Balkan, San Lucas, Shasta, Maracaibo?

UNITED STATES HISTORY.

(10 questions 10 credits each.)

1. Name the thirteen original colonies

2. Explain how our country has been expanded since the adoption of the constitution.

3. Who were the leaders, and what were the principals, of the first two great political parties in the United States?

4. Name time, place, and commanders, of four great naval victories by our government

5. What is the present relation of the United States to Cuba? To Porto Rico? To Hawaii?

6. What territory in America belonged to England before the French and Indian war? What territory after that war?

7. Why have the following named men become famous in history: Clay, Douglas, Longfellow, Webster, Whitney?

8. The Articles of Confederation. When were they adopted by congress? When did they go into effect? Mention two prominent weaknesses of these Articles. What was their chief value?

9. State two causes, and three beneficial results, of the war of 1812.

10. Write in not less than twenty lines, an account of the formation of the Republic of Panama

METHODS OF TEACHING.

(10 questions 10 credits each)

1. Describe a plan for teaching primary pupils geography.

2. How should a mental arithmetic lesson be conducted in the third grade?

3. Explain fully how you teach pupils of the fourth grade to read.

4. How do you correlate the study of history and geography; reading and grammar?

5. Outline your plan of teaching writing to seventh grade pupils.

6. Show how you develop in a class the idea of a prepositional phrase.

7. Give a method of teaching how to find the square root of a number.

8. What methods are well adapted to the teaching of colors to pupils of the primary grade?

9. Outline your plan of preparing pupils for rhetorical work.

10. (*a*) What ways have you of encouraging and helping backward pupils in any subject? (*b*) Give five exercises useful in keeping the most apt pupils busy during study periods.

TUESDAY, P. M., JUNE 7, 1904.

NOTE—Applicants for first grade certificates must hand in all answers at 4 o'clock. Applicants for second-grade certificates must hand in all answers at three o'clock.

SCHOOL LAW.

(5 questions; 20 credits each.)

1. How is the Territorial school fund apportioned.
2. What is a special school district tax, and when may it be levied.
3. Name five duties of the Clerk of a Board of Trustees.
4. Why should teachers read to the pupils, from time to time, the school regulations that apply to them?
5. How are text books adopted in Arizona

CIVICS.

(10 questions; 10 credits each.)

1. What is the purpose of subdividing a state into counties and districts?
2. What is meant by the Australian ballot system? Give some of its features.
3. In what way are voters responsible for the government of a country.
4. Why does the state prosecute offenders instead of leaving this duty to private persons?
5. Is it right for a man to hold aloof from public affairs because there is corruption in politics? Give reasons for your answer.
6. Could society exist without law? Explain your answer.
7. What is internal revenue? Explain fully.
8. What are the uses of an army and a navy? Where is the United States Military Academy located? The Naval Academy
9. Who is the present Chief Justice of the United Sates, and of what state is he a citizen?
10. What is meant by a "Body Politic?"

NATURAL PHILOSOPHY.

(10 questions, 10 credits each.)

1. Define velocity; momentum, acceleration.
2. State the law known as "The Parallelogram of Forces." Give an example to illustrate.
3. Name and describe the three ways by which heat may be transferred from one body to another.
4. (*a*) What is specific heat? (*b*) Why do tubs of cold water protect a cellar from freezing?
5. The arms of a balance are in a ratio of 19 to 20; the pan in which the weights are placed is suspended from the longer arm; find the real weight of the body which apparently weighs 38 pounds.

6. (*a*) State two laws of the vibration of strings. (*b*) Name the specific properties of matter that depend upon the cohesive molecules of solids

7. (*a*) A rectangular vessel, whose interior dimensions are width, 10 cm., length, 15 cm , and height, 20 cm., is filled with water, what is the weight of the water in the vessel? (*b*) On each square centimeter of the base?

8. Explain and illustrate the action of a galvanic cell.

9. (*a*) Give a method of finding the density of a liquid. (*b*) A floating cube of wood 3 centimeters on a side, displaces 20 cubic centimeters of water; find the density of the wood.

10. Explain briefly the construction and operation of the telephone.

ALGEBRA.

(10 questions; 10 credits each)

1. Reduce to simplest form·

$$a^2-[-2b^2+b(7b-3a)-\{-\overline{3ab+a^2}-b(a-\overline{2a+3b})\}]+3b^2.$$

2. Find the highest common factor of

$$2x^3-7x^2+7x-2 \text{ and } x^5-3x^4+5x^2-4x+4.$$

3. Simplify· $(a+b+c)(-a+b+c)(a-b+c)(a+b-c)$

4. A man has 11 hours at his disposal. How far can he ride in a coach which travels 4½ miles an hour, so as to return in time, walking back at the rate of 3¾ miles an hour?

5. A and B together can do a piece of work in 2⅔ days, B and C in 2⁸⁄₁₁ days, and C and A in 2⅖ days How many days will it take each working alone.

6 (*a*) Reduce to equivalent radicals of the same degree.

$$\sqrt[3]{14},\ \sqrt{6}, \text{ and } \sqrt[6]{175}$$

(*b*) Simplify $\dfrac{2+\sqrt{5}}{5-\sqrt{5}}$

7 Factor:

(*a*) a^6+x^6

(*b*) $(a^2-b^2+c^2)-4a^2c^2$

8. A certain sum of money at simple interest amounts in **m** years to **a** dollars, and in **n** years to **b** dollars. Required, the sum and the rate of interest.

9. Solve $9x^{\frac{4}{5}}-22x^{\frac{2}{5}}=-8$

10. Expand $(2x-3)^7$ to five terms by the binomial theorem, giving all the work for finding the coefficient.

LIFE DIPLOMAS.

MONDAY, A. M., JUNE 6, 1904.

NOTE.—All answers must be handed in at 12 o'clock.

PEDAGOGY.

(10 questions; 10 credits each.)

1. Define: fantasy, generalization, will, choice.

2. (*a*) Explain the general nature and purpose of the recitation. (*b*) Name and briefly discuss three methods of calling on pupils to recite.

3. Of what does each of these treat: (*a*) Educational Psychology, (*b*) Methodology, (*c*) History of Education, (*d*) School management?

4. (*a*) Distinguish between drills, reviews, tests. (*b*) What is the difference between giving and hearing a recitation?

5. (*a*) What are altruistic emotions? (*b*) What are the means of educating these emotions?

6. Distinguish between demonstrations and suggestions as methods of teaching, and state the value of each.

7. Should processes precede rules, or rules precede processes, for the training of (*a*) perceptive powers, (*b*) reasoning powers, (*c*) imagination, (*d*) memory? Briefly state why.

8. What is the difference between the objective and subjective processes of gaining ideas?

9. (*a*) What is meant by the laws of teaching? (*b*) State five of such laws.

10. Apply the laws of teaching and the teaching processes to these periods: (*a*) childhood, (*b*) boyhood, (*c*) youth, (*d*) early manhood.

SCHOOL ECONOMY.

(10 questions; 10 credits each.)

1. What are some of the advantages and evils of written examinations?

2. Describe the ideal working library for a rural grammar school.

3. Name five most important characteristics of efficient class work.

4. Give arguments for and against the keeping of school records.

5. Discuss the basis of classification of pupils.

6. (*a*) What are five characteristics of a good text-book? (*b*) Give five rules for the management of a school library.

7. Discuss the school-house according to (*a*) location, (*b*) internal arrangement.

8. What furniture and apparatus is necessary to a well fitted grammar school?

9. Enumerate all the things that go to preserve the health of pupils.

10. (*a*) State five advantages of graded schools. (*b*) State five objections to them.

MONDAY, P. M., JUNE 6, 1904

NOTE.—All answers must be handed in at 4 o'clock.

HISTORY OF EDUCATION.

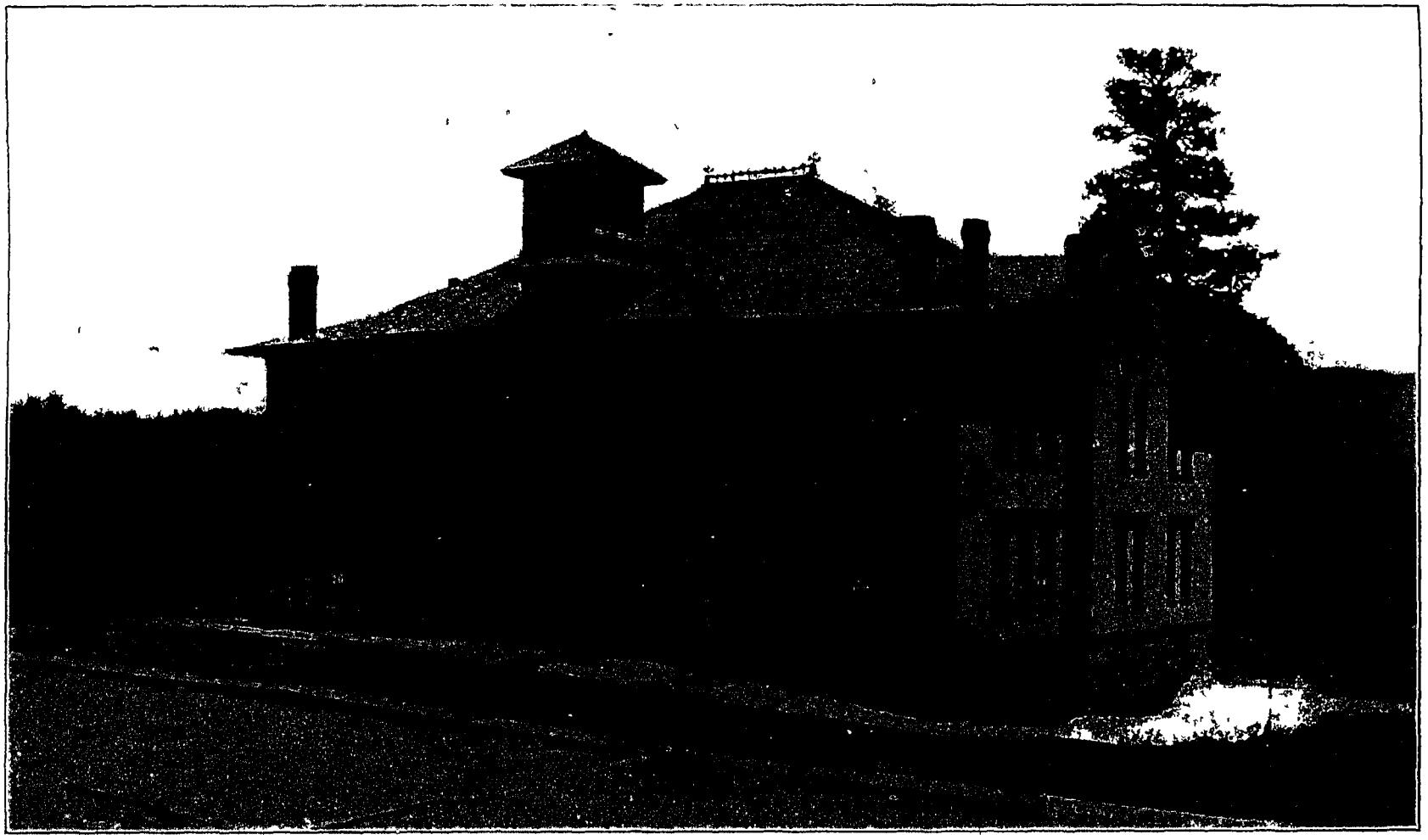
(10 questions. 10 credits each.)

1. Briefly discuss the effects of renaissance of education
2. Outline Montaigne's ideas on education.
3. (*a*) According to Rosseau, how was human success and happiness attained? (*b*) What were his ideas on methods of study?
4. Wherein did Locke differ in his ideas on education from modern thinkers?
5. Summarize the life and educational ideas of Comenius
6. Contrast the teachings of Pestalozzi with those of Froebel.
7. Give Jacotot's ideas on (*a*) self teaching, (*b*) methods of reading, (c) memorizing, (*d*) learning the mother-tongue.
8. Discuss Herbert Spencer's educational ideas.
9. At the present, what are five of the great wants of middle-class education?
10. Give a brief history of our National Educational Association as to (*a*) origin, (*b*) places held, (*c*) object, (*d*) five of the greatest leaders.

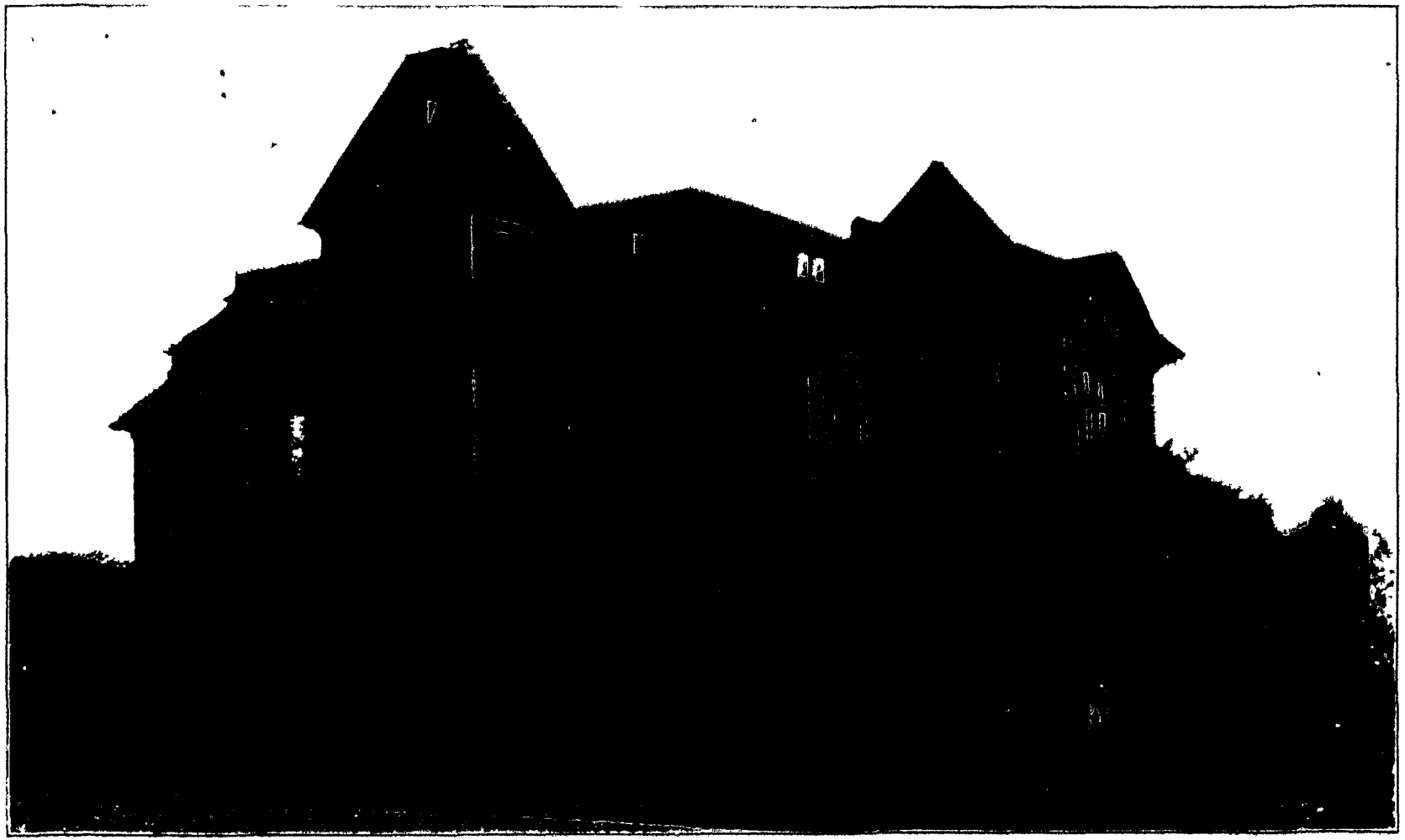
SCHOOL GOVERNMENT.

(10 questions: 10 credits each.)

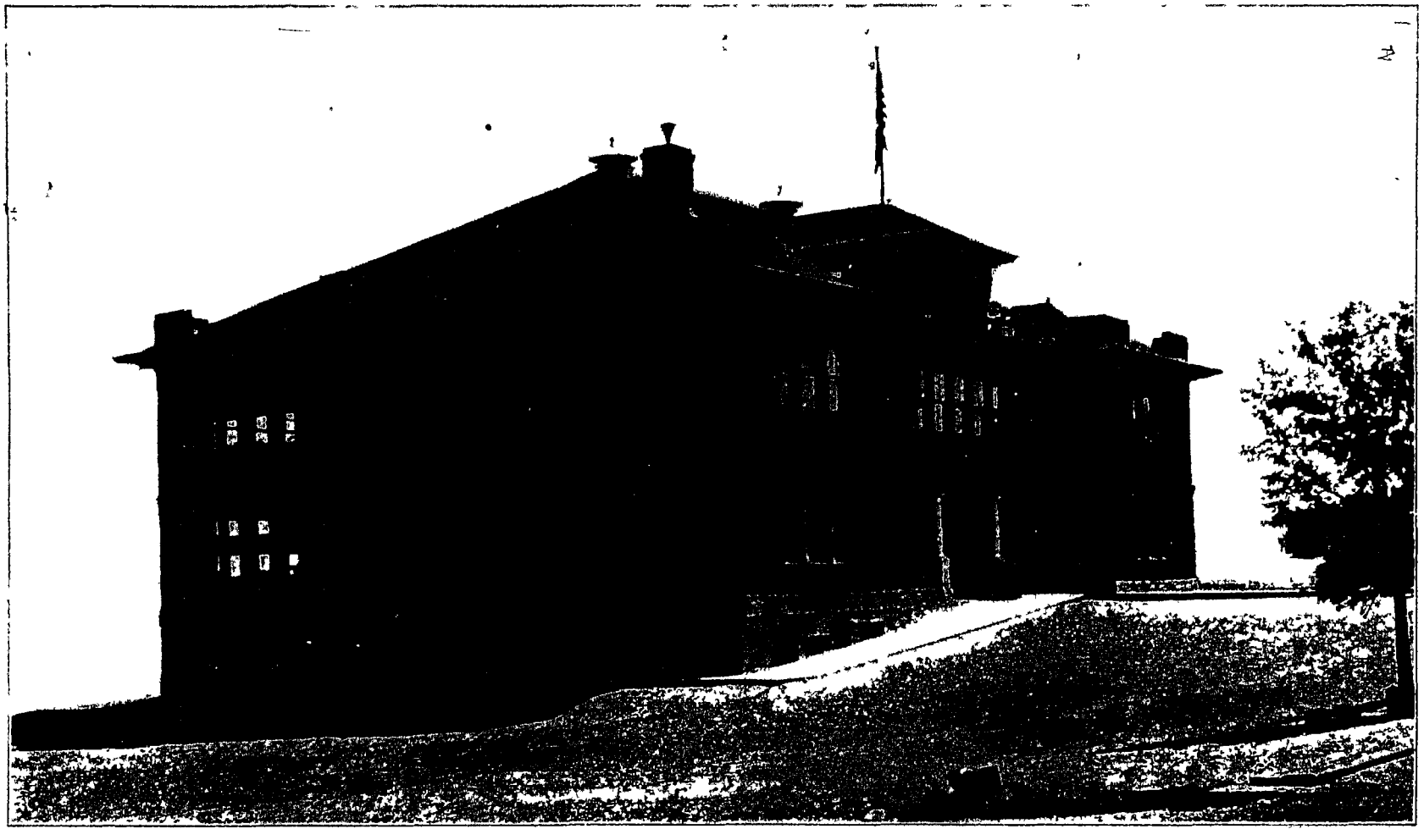
1. How is the government of pupils affected by our present marking system?
2. Classify school incentives and justify those you consider the most worthy.
3. Discuss school punishments as to kinds, and to their proper use.
4. What do you mean by "School Tactics"? State their object; their value.
5. Explain how to control the actions of pupils on the school grounds and when coming to and going from school
6. Give rules for the cure of nervousness of pupils during study periods.
7. How would you deal with pupils in these cases (a) molesting one another's desks, (*b*) whispering, and communicating by signs across the room?
8. In what ways does calisthenics aid in the general control of a school? Name five physical exercises suitable for a mixed school (primary and grammar)
9. Discuss the seating of pupils as an aid in government
10. Give five ways in which the pupils may act as factors in school discipline.



PUBLIC SCHOOL BUILDING -- FLAGSTAFF -- COCONINO COUNTY



PUBLIC SCHOOL BUILDING -- TEMPE -- MARICOPA COUNTY



PUBLIC SCHOOL BUILDING -- PRESCOTT -- YAVAPAI COUNTY

PUBLIC SCHOOL BUILDING -- WILLCOX -- COCHISE COUNTY